

Starburst

High performance energy efficient LED downlight.



STARBURST

Features

- Dimmable with conventional phase control dimming systems
- 12 lamp watts (total system wattage of 16w) provides 50w ELV (590 cd peak) dichroic equivalent performance
- 50%+ energy saving compared to a standard 50W ELV dichroic (@ 590 cd)
- 3000k, CRI 83
- Colour bins 7A, 7B, 7C, 7D
- 55 degree beam

- Compliant with AS/NZSCISPR15, IEC EN613427.2.13
- Complete with dimmable driver and flex and plug
- Available in gimble and fixed downlights with a choice of white or brushed chrome

Applications

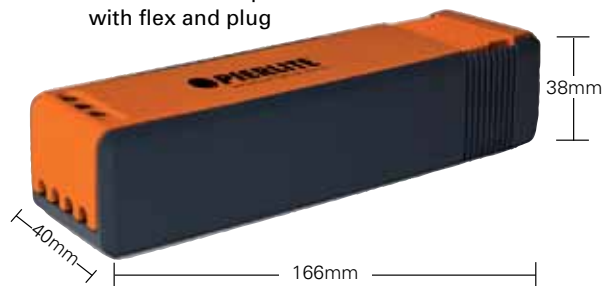
Residential, apartments, lobbies, foyers, retail, restaurants, bars and clubs where a energy efficient and reliable lamp life is essential.

Technical

Starburst lamp unit



Control driver complete with flex and plug



50W ELV Dichroic



12W Starburst LED

Product Codes		Dim
Code	Version	(mm)
92mm Cutout, Gimble c/w driver, flex & plug		
STAR1	12W wide beam White	105 x 100
STAR2	12W wide beam Satin Chrome	105 x 100
70mm Cutout, Fixed c/w driver, flex & plug		
STAR3	12W wide beam White	80 x 100
STAR4	12W wide beam Satin Chrome	80 x 100



110 Downlights



IP20



Max. Mass

Max Dim(mm)
ø105 x 100



ta 25



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professional lighting solutions

**The Starburst.
An eye for performance.**





The DOT Downlight Range was introduced in 1983. Since its launch, it has evolved primarily in response to suggestions and feedback from building owners, electrical contractors, lighting designers and distributors of the Range.

During the design and development of any segment of the DOT range, each component is minutely scrutinized. The raw materials used are the highest quality available. Injection moulded components are continually upgraded to take full advantage of ongoing developments in thermoplastics.

Heat retention within each downlight is minimised to ensure component longevity and extended lamp life.

This commitment to quality throughout its design, development and production, is evident in the DOT range's construction, installation and performance.

... if you happen to notice the source of the light





Building Owners

The evolution of the range and commitment to its ongoing development resulted in the introduction of the AXLock system. The AXLock system allows building owners to significantly alter lighting within building spaces by simply changing accessories fitted to downlights rather than replacing complete lighting installations; this is a cost effective means to future proof lighting requirements.

Lighting Designers

Lighting Designers can choose from a large selection of downlights with a variety of light sources and three reflector finishes. There are also three electronic control gear dimming options available with compact fluorescent models.

A comprehensive selection of AXLock accessories then allows designers to alter light produced by the downlights. Decorative glass, a variety of lenses and trim colours add further options to customise installations.

Electrical Contractors

Electrical contractors benefit from the ease of installing the DOT range. Downlight bodies are quickly mounted and if necessary removed (no tools are required) with the patented mounting system. Reflectors are also easily fitted by turning moulded reflector keys 180 degrees; the keys are part of the reflector assemblies and can not be misplaced or lost.

Downlight reflectors, accessories and ceiling plates can be fitted after ceiling surfaces have been painted therefore no masking for painting is necessary...

All AXLock Accessories are installed with a simple twist and lock movement, the same movement removes accessories for cleaning or re-lamping.

Distributors

The DOT AXLock system reduces the number of basic downlight models in the range. Cross vane and turbo louvres, recessed and flush mounted lenses are AXLock accessories and can be fitted to downlights after installation.

The AXLock system benefits distributors of the range by reducing inventory, enabling faster delivery times and offering a comprehensive range of downlights made to the highest standards at very competitive prices.

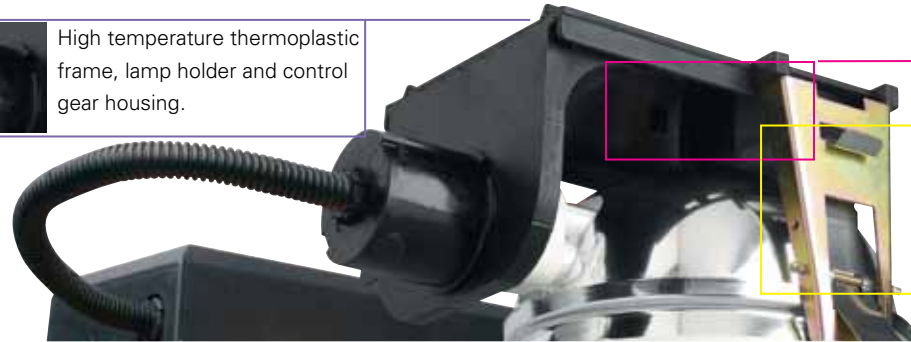
- it will also impress you



DOT Downlights Range – Typical Components



High temperature thermoplastic frame, lamp holder and control gear housing.



AxLock Bezel

Keyholes in bezel accept studs in AxLock accessories



AxLock Accessory

Mounting studs on accessories locate into bezel after downlight installation



AxLock Accessory

Fitted to downlight after installation.
Chrome plated brass and stainless steel fastenings.



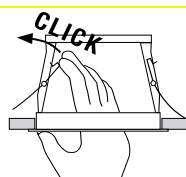
Secured Access Accessory

Fitted to downlight before installation.
Stainless steel 'Tri-groove' tamper proof fastenings.

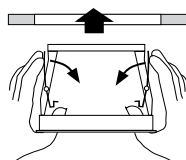




Integral reflector locking
key for quick, positive
reflector fixing



Patented stainless
steel downlight
mounting system
for easy tool-free
installation and
removal.



Silver passivated,
heavy gauge, pressed
steel mounting legs

Reflector Options



Polished

Satin

Diamond
Facetted

**Designed and Constructed in New Zealand
Complies with AS/NZS 60598**

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Patents, Registered Designs and Copyright.



DOT 109

DOT 109 downlights are designed for energy saving CFL-I lamps. Available in both Round or Square trim allowing the designer freedom of choice.



Features

- Available in both Round or Square trim
- Quick and easy to install
- Stainless steel mounting springs
- Will accept 20W CFL-I T2 spiral and 75W HAL/PAR
- Ceramic E27 lamp holder
- Available in white and silver trim

- Hard wired
- Square trim has round cut out for easy installation

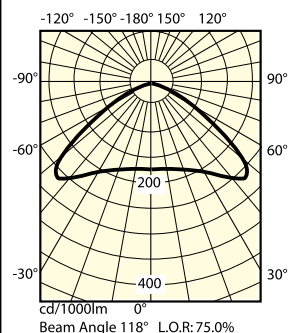
Applications

Residential and aged care facilities, bars and clubs, general commercial applications.



Technical

DOT 109 - 20W CFL T2



(m)	lux	dia.(m)
1	174	3.33
2	43	6.66
3	19	9.99
4	11	13.32
5		

Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	
70	50	20	#N/A	#N/A	.64	.67	.72	.75	.77	.79	.81	
	30		#N/A	#N/A	.60	.63	.68	.72	.74	.77	.79	
	10		#N/A	#N/A	.57	.60	.66	.69	.72	.75	.77	
50	50	20	#N/A	#N/A	.63	.65	.70	.72	.74	.76	.78	
	30		#N/A	#N/A	.59	.62	.67	.70	.72	.74	.76	
	10		#N/A	#N/A	.56	.59	.64	.68	.70	.73	.75	
30	50	20	#N/A	#N/A	.61	.64	.68	.70	.72	.74	.75	
	30		#N/A	#N/A	.58	.61	.65	.68	.70	.72	.74	
	10		#N/A	#N/A	.55	.59	.63	.66	.68	.71	.72	
0	0	0	#N/A	#N/A	.54	.56	.61	.63	.65	.68	.68	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
100mm Cutout - Round, less lamp			
109	White trim round	120 x 137	0.33
109/55	Silver trim round	120 x 137	0.33
109/SQ	White trim square	120 x 120	0.33
109/55/SQ	Silver trim square	120 x 120	0.33



116 Downlights



Max Dim(mm)
ø120 x 137



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Options



/01
White Bezel



/55
Silver Painted Bezel



/01
White Bezel



/55
Silver Painted Bezel

Accessories

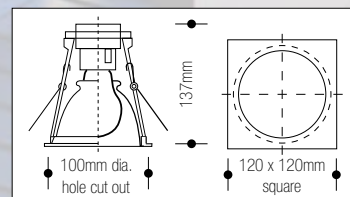
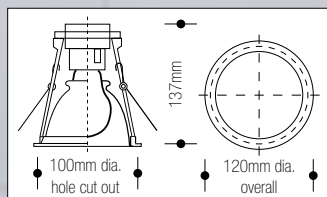


DOT A3 IP20
Halo Glass
/01 White trim
/55 Silver trim



DOT A4 IP20
Dropped Glass
/01 White trim
/55 Silver trim

Dimensions



DOT 110

Downlights designed for energy efficient CFL/I lamps providing elegance and sophistication.



Features

- Available in both Round or Square trim
- Quick and easy to install
- Stainless steel mounting springs
- Complete with 20 watt CFL-I spiral in both standard and dimmable versions
- E27 lamp holder
- Available in white and silver trim

- Hard wired
- Square trim has round cut out for easy installation

Applications

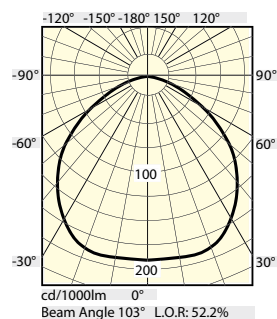
Residential and aged care facilities, bars and clubs, general commercial applications.



Stainless steel mounting springs

Technical

DOT 110 - 20W CFL - I Spiral T3



(m)	Actual lux	dia.(m)
1	228	2.51
2	57	5.02
3	25	7.53
4	14	10.04
5		
	2m 1m 0 1m 2m	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
100mm Cutout, Non Dimmable - warm white			
110/LW	White round	120 x 168	0.39
110/55/LW	Silver round	120 x 168	0.39
110/SQ/LW	White square	120 x 168	0.39
110/55/SQ/LW	Silver square	120 x 168	0.39
110/LW/A1-FG	White round frosted flush	120 x 168	0.39
110/LW/A1-DG	White round frosted drop	120 x 168	0.39
100mm Cutout, Dimmable - warm white			
110/D/LW	White round	120 x 168	0.39
110/D/55/LW	Silver round	120 x 168	0.39
110/D/SQ/LW	White square	120 x 168	0.39
110/D/55/SQ/LW	Silver Square	120 x 168	0.39



118 Downlights

IP20



Max Dim(mm)
ø120 x 168



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Options



/01
White Bezel



/55
Silver Painted Bezel



/01
White Bezel



/55
Silver Painted Bezel

Accessories

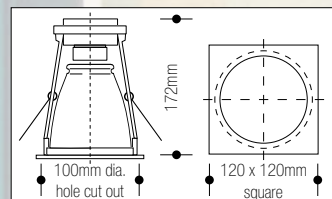
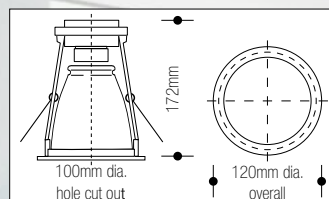


DOT A3 IP20
Halo Glass
/01 White trim
/55 Silver trim



DOT A4 IP20
Dropped Glass
/01 White trim
/55 Silver trim

Dimensions



DOT 162

DOT 162 downlights are universal for residential and commercial applications.



Features

- Quick and easy to install
- Easy downlight removal system
- Passivated, heavy gauge pressed steel mounting legs
- Stainless steel mounting springs
- Will accept 20W CFL-I, 23W CFL-I Spiral, and 75W Hal/par lamps
- Double insulated

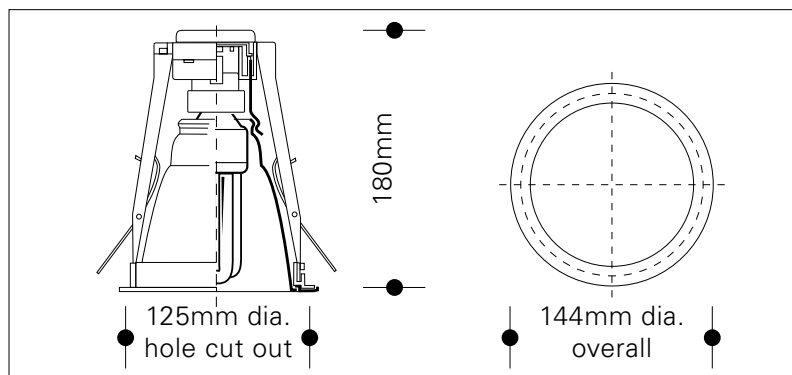
- Paintable U.V stabilised thermoplastic ceiling ring (fitted as standard)

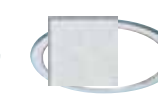
Applications

Domestic (throughout), under eaves and entrance ways, semi commercial general lighting.



Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
125mm Cutout			
162	E27 23W TND less lamp	144 x 180	0.41
Accessories			
 DOT A5 Halo Glass  DOT A2-CL Convex Clear Lens IP54 18W max  DOT A2-FT Convex Frosted Lens IP54 18W max.			
Options			
 /13 Chrome Ceiling Ring - Polished  /14 Chrome Ceiling Ring - Brushed  /55 Silver Painted Ceiling Ring			



120 Downlights



IP20



0.41kg

Max. Mass

Max Dim(mm)
ø144 x 180



to 25



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DOT 183

The DOT 183 downlight offers a selection of ceiling plate profiles and finishes, resulting in a diverse range of quality downlights.



Features

- Easy downlight removal system
- Passivated, pressed steel mounting legs
- High purity, post anodised aluminium reflector
- Complete with anti-glare baffle
- Double insulated
- Will accept 75 watt haper and CFL-I lamps up to 20 watt

- Round ceiling hole cutout

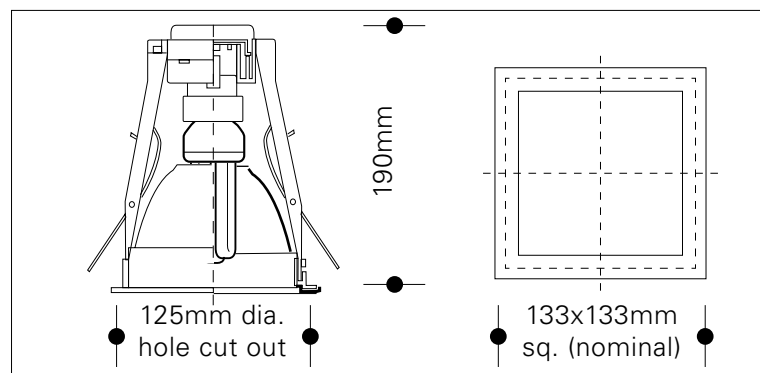
Applications

Residential, commercial and general lighting applications.

High purity, post anodised aluminium reflector



Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
125mm Cutout			
182	E27 20WTND less lamp	140 x 190	0.49

Accessories



DOT A9 Halo Glass

Options



Soft Square®



Square



/13
Polished 304 grade
stainless steel



/14
Brushed 304 grade
stainless steel



/55
Silver painted
moulded polycarbonate



DOT 301

The DOT 301 downlight is designed for dedicated energy saving compact fluorescent lamps.



Features

- Quick and easy to install
- Easy downlight removal system
- Passivated, heavy gauge pressed steel mounting legs
- High purity, post anodized aluminium reflector
- Stainless steel mounting springs
- Double insulated

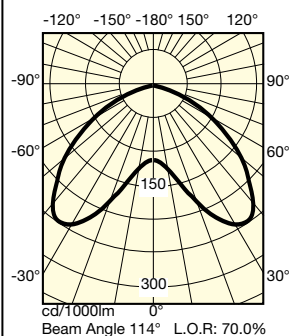
- Paintable U.V stabilised thermoplastic ceiling ring (fitted as standard)

Applications

Domestic (throughout), under eaves and entrance ways, semi commercial general lighting.

Technical

DOT 301 - 18W TC-T/E



(m)	lux		dia.(m)
1	115		3.08
2	29		6.16
3	13		9.24
4	7	114°	12.32
5			
	2m	1m	0

Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	
70	50	20	#N/A	#N/A	.61	.64	.68	.70	.72	.74	.76	
30	#N/A	#N/A	.57	.60	.65	.68	.70	.72	.74			
10	#N/A	#N/A	.54	.57	.62	.65	.68	.71	.73			
50	50	20	#N/A	#N/A	.60	.62	.66	.68	.70	.72	.73	
30	#N/A	#N/A	.56	.59	.63	.66	.68	.70	.72			
10	#N/A	#N/A	.54	.56	.61	.64	.66	.69	.70			
30	50	20	#N/A	#N/A	.58	.60	.64	.66	.67	.69	.70	
30	#N/A	#N/A	.55	.58	.62	.64	.66	.68	.69			
10	#N/A	#N/A	.53	.56	.60	.62	.64	.67	.68			
0	0	0	#N/A	#N/A	.51	.54	.58	.60	.62	.64	.65	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
125mm Cutout			
301/HF	18WTC-T 4 pin less lamp	144 x 183	0.725

Accessories



DOT A5
Halo Glass



DOT A2-CL
Convex Clear Lens
IP54 18W max



DOT A2-FT
Convex Frosted Lens
IP54 18W max.

Options



/13
Chrome Ceiling
Ring - Polished

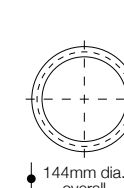
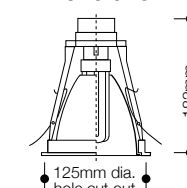


/14
Chrome Ceiling
Ring - Brushed



/55
Silver Painted
Ceiling Ring

Dimensions



122 Downlights



IP20



Max. Mass

Max Dim(mm)
ø144 x 183



PIERLITE
professional lighting solutions



DOT 340, 360 & 370

Highly efficient compact fluorescent downlight for single vertical lamps.



Features

- Easy to install, including accessories
- Easy downlight removal system
- High temperature thermo plastic control gear housing
- High temperature thermo plastic lamp holder enclosure
- High temperature lamp holder
- Passivated heavy gauge pressed steel mounting legs
- High purity, post anodised bright aluminium reflector
- Available with Electronic, Analogue, DSI and DALI Dimming
- UV stabilised thermoplastic moulded ceiling ring

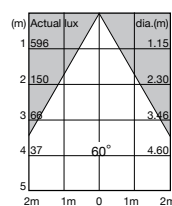
- Large range of accessories - interchangeable after installation without removing the downlight
- Choice of reflector options and bezel colours
- Complete with 3 pin flex and plug

Applications

Office, boardrooms, foyers, retail, schools, TAFE's Universities, Shopping centres.

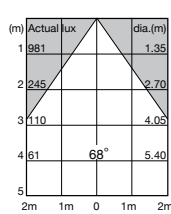
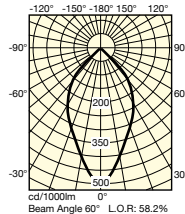
Technical

DOT 340- 18W TC-D



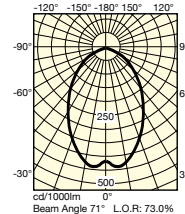
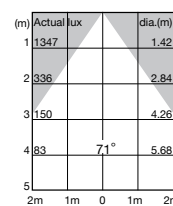
Reflectance		Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	.42	.48	.51	.53	.57	.59	.60	.62	.63
30			.39	.44	.48	.51	.54	.57	.58	.60	.62
10			.36	.42	.46	.48	.52	.55	.56	.59	.60
50	50	20	.41	.47	.50	.52	.55	.57	.58	.60	.61
30			.38	.44	.47	.50	.53	.55	.56	.58	.60
10			.36	.41	.45	.48	.51	.53	.55	.57	.59
30	50	20	.40	.46	.49	.51	.53	.55	.56	.58	.58
30			.38	.43	.46	.49	.52	.54	.55	.57	.58
10			.36	.41	.45	.47	.50	.52	.54	.56	.57
0	0	0	.35	.40	.43	.45	.48	.50	.52	.53	.54

DOT 360 - 26W TC-T



Reflectance		Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	.52	.58	.61	.64	.67	.69	.70	.72	.73
30			.48	.54	.58	.61	.64	.67	.68	.70	.72
10			.46	.52	.56	.58	.62	.65	.67	.69	.71
50	50	20	.51	.56	.60	.62	.65	.67	.68	.70	.71
30			.48	.54	.57	.60	.63	.65	.66	.68	.69
10			.45	.51	.55	.58	.61	.63	.65	.67	.68
30	50	20	.50	.55	.58	.61	.63	.65	.66	.67	.68
30			.47	.53	.56	.58	.61	.63	.65	.66	.67
10			.45	.51	.54	.57	.60	.62	.63	.65	.66
0	0	0	.44	.00	.49	.00	.53	.00	.55	.00	.58

DOT 370 - 42W TC-T/E



Reflectance		Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	.50	.57	.61	.65	.69	.72	.74	.76	.78
30			.45	.52	.57	.61	.66	.69	.71	.74	.76
10			.42	.49	.54	.58	.63	.66	.69	.72	.75
50	50	20	.49	.55	.60	.63	.67	.70	.71	.74	.75
30			.44	.51	.56	.60	.64	.67	.69	.72	.74
10			.41	.48	.53	.57	.62	.65	.67	.70	.72
30	50	20	.48	.54	.58	.61	.65	.67	.69	.71	.72
30			.44	.51	.55	.58	.63	.65	.67	.70	.71
10			.41	.48	.53	.56	.61	.64	.66	.68	.70
0	0	0	.40	.00	.46	.00	.51	.00	.54	.00	.58

DOT A16 Halo Glass

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout			
340/02/HF	1 x 18W TC-T/E	190 x 226	0.86
360/02/HF	1 x 26W TC-T/E	190 x 226	0.62
370/02/HF	1 x 26/32/42W TC-T/E	190 x 226	0.93



124 Downlights

IP20



Max. Mass

Max Dim(mm)
ø190 x 226



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professional lighting solutions

Options



DOT A50 IP20
Ceiling Plate - Round
/01 White
/55 Silver



DOT A58 IP20
Ceiling Plate - Square
/01 White
/55 Silver

Accessories



DOT A12-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A12-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A16 IP20
Halo Glass
/01 White trim
/55 Silver trim



DOT A27-FT IP54
Convex Frosted Lens
/01 White trim
/55 Silver trim



DOT A27-FR IP54
Convex Fresnel Lens
/01 White trim
/55 Silver trim



DOT A27-GL IP54
Flat Glass Lens
/01 White trim
/55 Silver trim



DOT A52-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A52-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A53-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A53-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A59-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A59-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim

Secured Access Accessories

Fitted to downlight before installation.



DOT A24-CL IP54
Clear Lens
/01 White trim
/55 Silver trim



DOT A24-SB IP54
Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A24-PR IP54
Prismatic Diffuser
/01 White trim
/55 Silver trim

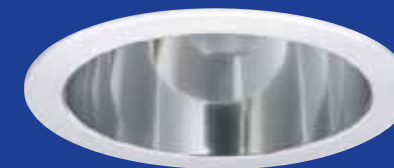


DOT A24-FR IP54
Fresnel Lens
/01 White trim
/55 Silver trim



DOT 770 & 780

Downlight designed for E27 Metal halide lamps up to 150 watt with AxLock options.



Features

- Easy to install, including accessories
- Easy downlight removal system
- Stainless steel mounting springs
- High temperature thermo plastic terminal block enclosure
- Ceramic E27 lamp holder
- Passivated heavy gauge pressed steel mounting legs
- High purity, post anodised bright aluminium reflector
- UV stabilised thermoplastic moulded ceiling ring

- Complete with 3 pin round earth flex and plug
- Use protected metal halide lamps
- Supplied less gear and lamp

Applications

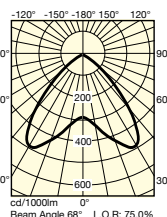
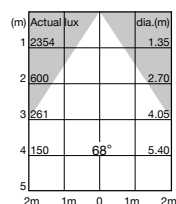
Shopping centres, retail outlets, foyers, lobbies, malls.



Optional square face

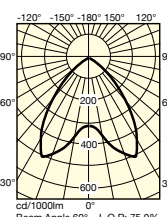
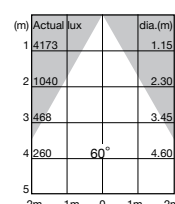
Technical

DOT 770 - 100W MH-P



Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.63	.68	.71	.74	.76	.78	.80	.81	.82	
	30		.60	.65	.68	.71	.74	.76	.78	.80	.81	
	10		.58	.62	.66	.69	.72	.74	.76	.78	.80	
50	50	20	.63	.67	.70	.72	.74	.76	.77	.78	.79	
	30		.60	.64	.67	.69	.72	.74	.75	.77	.78	
	10		.57	.62	.65	.68	.71	.73	.74	.76	.77	
30	50	20	.62	.66	.68	.70	.72	.74	.75	.76	.77	
	30		.59	.63	.66	.68	.71	.72	.73	.75	.76	
	10		.57	.61	.64	.67	.69	.71	.72	.74	.75	
0	0	0	.56	.60	.63	.65	.67	.69	.70	.71	.72	

DOT 780 - 150W MH-P



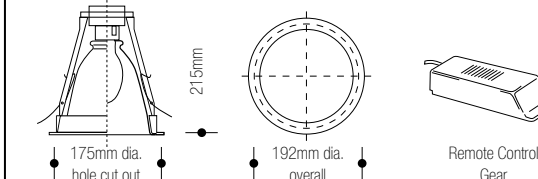
Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.65	.69	.72	.75	.77	.79	.81	.82	.83	
	30		.61	.66	.69	.72	.75	.77	.79	.81	.82	
	10		.59	.64	.67	.70	.73	.75	.77	.79	.81	
50	50	20	.64	.68	.71	.73	.75	.77	.78	.79	.80	
	30		.61	.65	.68	.71	.73	.75	.76	.78	.79	
	10		.59	.63	.66	.69	.72	.74	.75	.77	.78	
30	50	20	.63	.67	.69	.71	.73	.75	.76	.77	.78	
	30		.60	.64	.67	.69	.72	.73	.74	.76	.77	
	10		.58	.63	.66	.68	.70	.72	.73	.75	.76	
0	0	0	.57	.60	.61	.64	.66	.68	.69	.70	.71	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
770	1 x 100W MH Downlight	192 x 215	0.53
780	1 x 150W MH Downlight	192 x 215	0.53

Accessories



Dimensions



126 Downlights



Max Dim(mm)
ø192 x 215



PIERLITE
professional lighting solutions

DOT 730 & 732

DOT 730 and 732 downlights are designed for Metal Halide G12 lamps with a wide beam distribution.



Features

- Quick and easy to install
- High purity, post anodised aluminium reflector
- Clear toughened safety glass
- Chrome plated brass and stainless steel fastenings
- Easy downlight removal system
- Passivated, pressed steel mounting legs
- Stainless steel mounting system

- Easy lamp replacement
- Supplied with round earth flex and plug

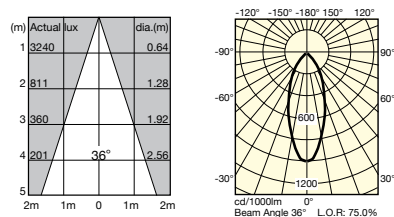
Applications

General retail lighting/retail window displays, hotel lobbies/foyers, accent lighting.



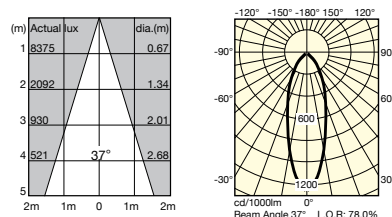
Technical

DOT 730 - 35W MH



Reflectance			Room Index										
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0		
70	50	20	.57	.63	.67	.70	.74	.76	.78	.80	.81		
	30		.53	.60	.64	.67	.71	.74	.75	.78	.80		
	10		.50	.57	.61	.64	.68	.71	.73	.76	.78		
50	50	20	.56	.62	.66	.68	.72	.74	.75	.77	.78		
	30		.53	.59	.63	.66	.69	.72	.73	.75	.77		
	10		.50	.56	.60	.63	.67	.70	.72	.74	.76		
30	50	20	.55	.61	.64	.67	.70	.72	.73	.74	.75		
	30		.52	.58	.62	.64	.68	.70	.71	.73	.74		
	10		.50	.56	.60	.62	.66	.68	.70	.72	.73		
0	0	0	.49	.00	.54	.00	.58	.00	.60	.00	.64		

DOT 732 - 70W MH



Reflectance			Room Index										
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0		
70	50	20	.59	.66	.70	.73	.77	.80	.81	.83	.85		
	30		.55	.62	.66	.70	.74	.77	.79	.81	.83		
	10		.52	.59	.63	.67	.71	.74	.77	.80	.82		
50	50	20	.58	.65	.69	.71	.75	.77	.79	.80	.82		
	30		.55	.61	.65	.68	.72	.75	.77	.79	.80		
	10		.52	.58	.63	.66	.70	.73	.75	.77	.79		
30	50	20	.57	.63	.67	.69	.73	.75	.76	.78	.79		
	30		.54	.60	.64	.67	.71	.73	.74	.76	.78		
	10		.51	.58	.62	.65	.69	.71	.73	.75	.77		
0	0	0	.50	.00	.56	.00	.60	.00	.63	.00	.66		

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
125mm Cutout, wide beam less lamp and gear			
730	35W MH G12	144 x 160	2.1
732	70W MH G12	144 x 160	2.1
Control Gear			
c/w round earth flex and plug and 3 pin flat earth flex and plug			
35W	HIDPVC35/FPCDM		
70W	HIDPVC70/FPCDM		
Dimensions			



DOT 705 & 706

DOT 705 and 706 are compact sized downlights which accept metal halide capsule lamps with G8.5 bases.



Features

- Quick and easy to install
- Clear toughened front glass for safety
- Chrome plated brass and stainless steel fastenings
- Easy downlight removal system
- Passivated, pressed steel mounting
- High purity, post anodised aluminium reflector

- Easy lamp replacement
- Supplied with round earth flex and plug.

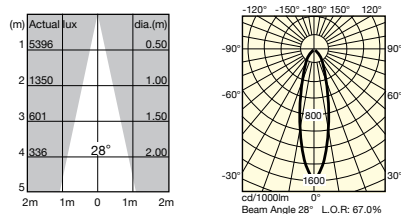
Applications

Retail wall/floor/window displays, hotel lobbies/foyers/ accent lighting.



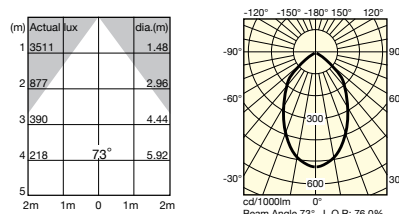
Technical

DOT 705 - 35W MH Satin



Reflectance			Room Index										
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0		
70	50	20	.54	.58	.62	.64	.67	.69	.70	.72	.73		
	30		.50	.55	.59	.61	.65	.67	.68	.70	.72		
	10		.48	.53	.56	.59	.63	.65	.67	.69	.71		
50	50	20	.53	.57	.60	.62	.65	.67	.68	.70	.71		
	30		.50	.55	.58	.60	.63	.65	.66	.68	.69		
	10		.48	.52	.56	.58	.61	.64	.65	.67	.68		
30	50	20	.52	.56	.59	.61	.63	.65	.66	.67	.68		
	30		.49	.54	.57	.59	.62	.63	.65	.66	.67		
	10		.47	.52	.55	.57	.60	.62	.64	.65	.66		
0	0	0	.46	.50	.51	.52	.54	.56	.57	.58	.59		

DOT 706 - 70W MH Satin



Reflectance			Room Index										
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0		
70	50	20	.54	.61	.66	.69	.73	.76	.78	.81	.82		
	30		.49	.56	.61	.65	.70	.73	.75	.78	.80		
	10		.45	.53	.58	.62	.67	.71	.73	.76	.79		
50	50	20	.53	.60	.64	.67	.71	.74	.75	.78	.79		
	30		.48	.56	.60	.64	.68	.71	.73	.76	.78		
	10		.45	.53	.57	.61	.66	.69	.71	.74	.76		
30	50	20	.52	.58	.62	.65	.69	.71	.73	.75	.76		
	30		.48	.55	.59	.62	.67	.69	.71	.74	.75		
	10		.45	.52	.57	.60	.65	.68	.70	.72	.74		
0	0	0	.43	.50	.52	.55	.58	.60	.62	.64	.66		

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
100mm Cutout, Less gear and lamp			
705	35W MH G8.5 wide beam	123 x 137	1.9
706	70W MH G8.5 wide beam	123 x 137	1.9
Control Gear Electronic			
c/w round earth socket and 3 pin flat earth flex and plug			
35W	HIDPVC35/FPCDM		
70W	HIDPVC70/FPCDM		
Dimensions			



DOT 710 & 712

DOT 710 and 712 are metal halide downlights with G12 ceramic lampholders.



Features

- Quick and easy to install
- Narrow beam, faceted reflector
- Easy downlight removal system
- Passivated, pressed steel mounting legs
- Stainless steel mounting system
- Easy lamp replacement

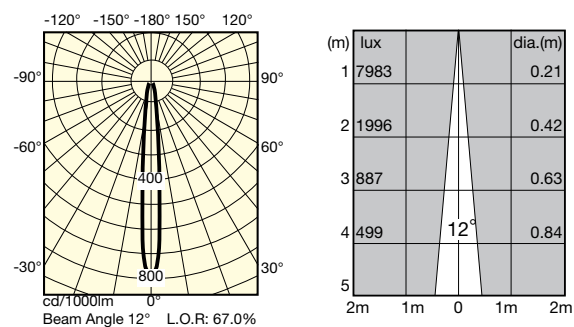
Applications

Accent lighting, retail displays.

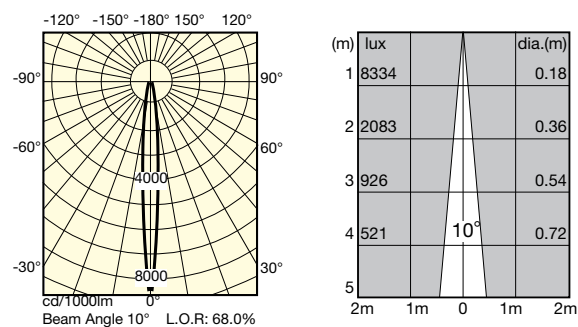


Technical

DOT 710 - 35W MH



DOT 712 - 70W MH



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
125mm Cutout, Narrow Beam less gear and lamp			
710	35W MH G12	144 x 160	2.2
712	70W MH G12	144 x 160	2.2
Control Gear			
c/w round earth flex and plug and 3 pin flat earth flex and plug			
35W	HIDPVC35/FPCDM		
70W	HIDPVC70FPCDM		
Dimensions			



128 Downlights



IP43



Max. Mass

Max Dim(mm)
ø144 x 160



to 25

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professional lighting solutions

DOT 1000 Series

DOT 1000 Series is a high quality energy efficient downlight series designed for easy installation, with an extensive range of accessories, which can be interchanged after installation.



Features

- Easy to install, including accessories
- Easy downlight removal system
- Stainless steel mounting springs
- High temperature thermo plastic control gear housing
- High temperature thermo plastic lamp holder enclosure
- High temperature lamp holder
- Passivated heavy gauge pressed steel mounting legs
- High purity, post anodised bright aluminium reflector
- Available with Electronic, analogue, DSI and DALI Dimming

- UV stabilised thermoplastic moulded ceiling ring
- Large range of accessories - interchangeable after installation, without removing the downlight
- Choice of reflector options and bezel colours
- Complete with 3 pin flex and plug
- Complete with DOT A50 white round ceiling plate

Applications

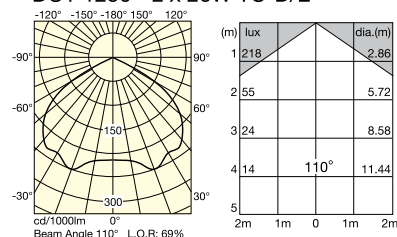
Office, boardrooms, foyers, reception areas, retail outlets, medical centres and hospitals.



High purity, post anodised bright aluminium reflector

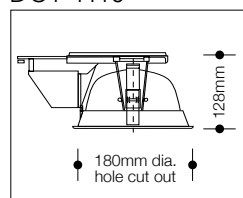
Technical

DOT 1250 - 2 x 26W TC-D/E

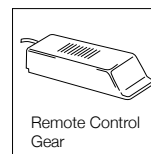
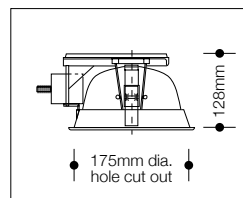


Reflectance			Room Index										
C	W	F		0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	
70	50	20	#N/A	.56	.60	.63	.67	.69	.70	.73	.74		
	30		#N/A	.52	.56	.59	.64	.66	.68	.71	.72		
	10		#N/A	.49	.53	.57	.61	.64	.66	.69	.71		
50	50	20	#N/A	.54	.58	.61	.65	.67	.68	.70	.71		
	30		#N/A	.51	.55	.58	.62	.65	.66	.68	.70		
	10		#N/A	.48	.53	.56	.60	.63	.65	.67	.69		
30	50	20	#N/A	.53	.57	.59	.63	.65	.66	.68	.69		
	30		#N/A	.50	.54	.57	.61	.63	.64	.66	.68		
	10		#N/A	.48	.52	.55	.59	.61	.63	.65	.67		
0	0	0	#N/A	.47	.50	.53	.57	.59	.60	.62	.63		

DOT 1110



DOT 1120, 1130, 1200, 1210, 1250



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
180mm Cutout, Integral standard ballast			
1110/02/LL	18W TC-D	192 x 128	0.9
175mm Cutout, Remote low loss ballast			
1120/02/LL	2 x 13W TC-D	192 x 128	0.9
1130/02/LL	2 x 18W TC-D	192 x 128	0.9
1200/02/LL	1 x 26W TC-D/TC-T	192 x 128	0.9
175mm Cutout, Remote high frequency ballast			
1210/02/HF	1 x 26W TC-D/E TC-T/E	192 x 128	0.9
1210/02/HF32-42	1 x 32-42W TC-D/ETC-T/E	192 x 128	0.9
1250/02/HF	2 x 26W TC-D/E	192 x 128	0.9

Note - Supplied less lamp



130 Downlights

IP20



Max. Mass

Max Dim(mm)

ø192 x 128



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professional lighting solutions

Options



/02
Polished Silver Reflector



/03
Satin Silver Reflector



/09
Diamond Facetted Silver Reflector

Accessories - AxLock can be fitted without removing downlight



DOT A50 IP20
Ceiling Plate - Round
/01 White
/55 Silver



DOT A58 IP20
Ceiling Plate - Square
/01 White
/55 Silver



DOT A12-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A12-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A16 IP20
Halo Glass
/01 White trim
/55 Silver trim



DOT A27-FT IP54
Convex Frosted Lens
/01 White trim
/55 Silver trim



DOT A27-FR IP54
Convex Fresnel Lens
/01 White trim
/55 Silver trim



DOT A27-GL IP54
Flat Glass Lens
/01 White trim
/55 Silver trim



DOT A52-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A52-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A53-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A53-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A54 IP54
Recessed Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A55 IP54
Recessed Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A59-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A59-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A56 IP20
Cross Vane Silver Louvre
Must be used with A50 or
A58 Ceiling Plate.
/02 Polished
/03 Satin



DOT A57 IP20
Turbo Silver Louvre -
Polished
Must be used with A50 or
A58 Ceiling Plate.

Secured Access Accessories - Must be fitted prior to downlight installation



DOT A24-CL IP54
Clear Lens
/01 White trim
/55 Silver trim



DOT A24-SB IP54
Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A24-PR IP54
Prismatic Diffuser
/01 White trim
/55 Silver trim

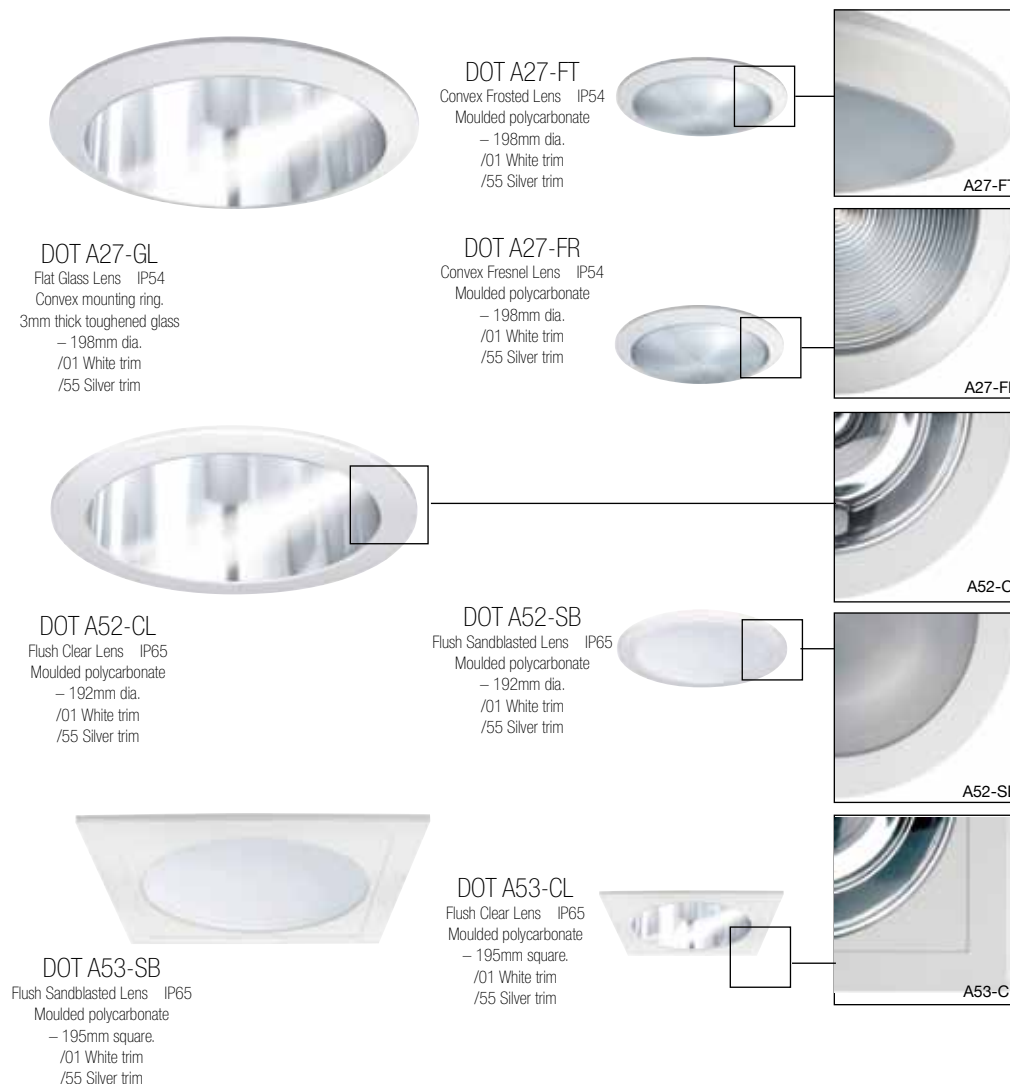
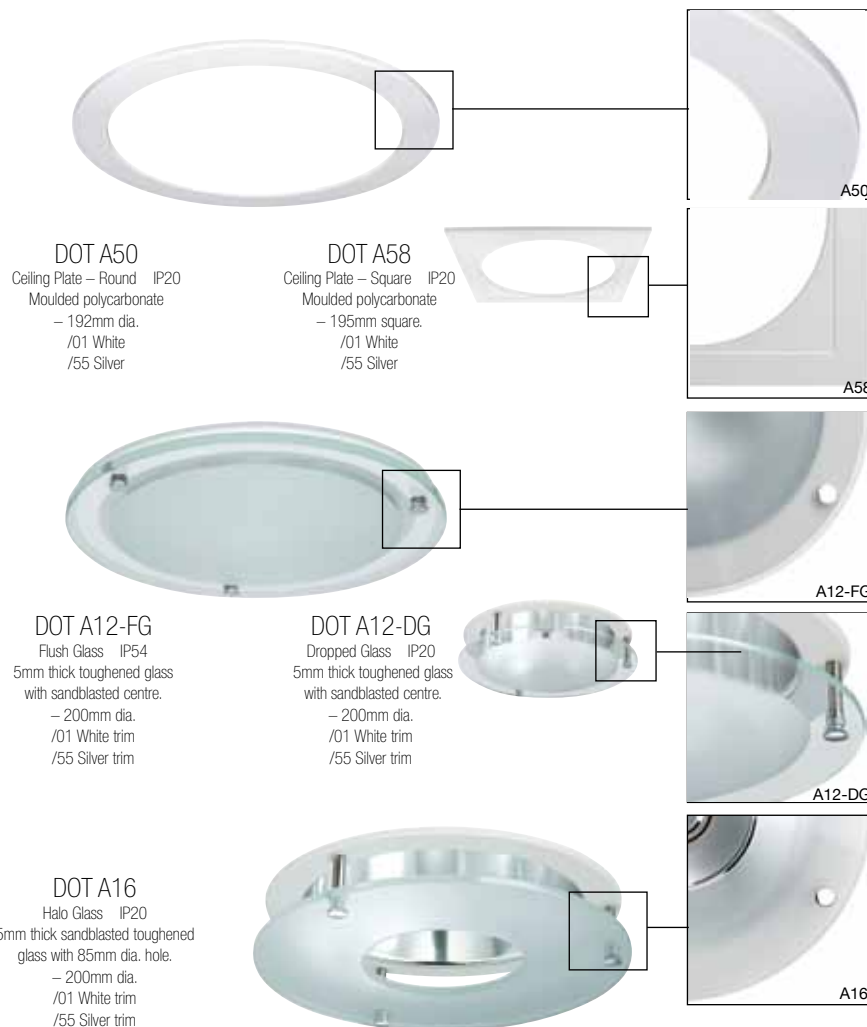


DOT A24-FR IP54
Fresnel Lens
/01 White trim
/55 Silver trim

Note: Secured accessories utilise tri-groove nuts. A special tool is required for installation and lamp replacement.



DOT 1000 Series Accessories



DOT 1000 Series Accessories



DOT 1000 Series Secured Access Accessories

Fitted to downlight before installation.



DOT 2000 Series

The DOT 2000 Series is a compact fluorescent downlight, suitable for modern commercial interiors.



Features

- Easy to install, including accessories
- Easy downlight removal system
- Stainless steel mounting springs
- High temperature thermo plastic control gear housing
- Available with Electronic, Analogue, DSI and DALI Dimming.
- High temperature thermo plastic lamp holder enclosure
- High temperature lamp holder
- Passivated heavy gauge pressed steel mounting legs
- High purity, post anodised bright aluminium reflector
- UV stabilised thermoplastic moulded ceiling ring
- Extensive range of accessories - interchangeable after installation, without removing the downlight bezel colours
- Complete with 3 pin flex and plug
- Complete with DOT A60 white round ceiling plate

Applications

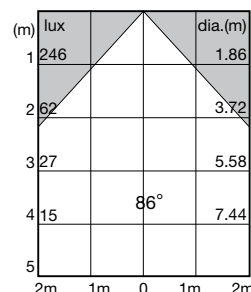
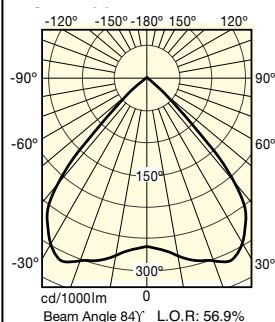
Office, boardrooms, foyers and public areas.



High temperature thermo plastic control gear housing

Technical

DOT 2200 - 2 x 26W TC-D/E

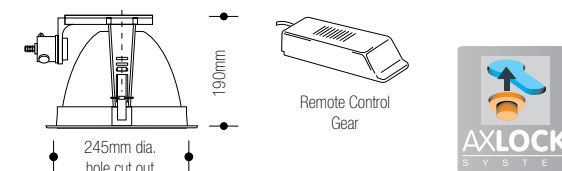


Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.41	.47	.50	.53	.56	.58	.59	.61	.62	
	30		.38	.44	.47	.50	.53	.56	.57	.59	.60	
	10		.35	.41	.45	.48	.51	.54	.56	.58	.59	
50	50	20	.40	.46	.49	.51	.54	.56	.57	.59	.59	
	30		.37	.43	.47	.49	.52	.54	.56	.57	.58	
	10		.35	.41	.45	.47	.50	.53	.54	.56	.57	
30	50	20	.40	.45	.48	.50	.53	.54	.55	.57	.57	
	30		.37	.42	.46	.48	.51	.53	.54	.56	.57	
	10		.35	.41	.44	.46	.50	.52	.53	.55	.56	
0	0	0	.34	.39	.43	.45	.48	.50	.51	.52	.53	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
245mm Cutout, Remote Low Loss Ballast			
2000/02/LL	2 x 18W TC-D	270 x 190	1.2
2100/02/LL	1 x 26W TC-D/TC-T	270 x 190	1.2
245mm Cutout, Remote High Frequency Ballast			
2200/02/HF	2 x 26W TC-D/E	270 x 190	1.2
2300/02/HF	1 x 32/42W TC-T/E	270 x 190	1.2
2400/02/HF	2 x 32/42W TC-T/E	270 x 190	1.2
2700/02/HF	1 x 57W TC-T/E	270 x 190	1.2

Note - Supplied less lamp

Dimensions



134 Downlights



IP20



1.2kg

Max. Mass

Max Dim(mm)
ø270 x 190



to 25



PIERLITE
professional lighting solutions

Options



/02
Polished Silver Reflector



/03
Satin Silver Reflector



/09
Diamond Facetted Silver Reflector

Accessories - AxLock can be fitted without removing downlight



DOT A60 IP20
Ceiling Plate - Round
/01 White
/55 Silver



DOT A68 IP20
Ceiling Plate - Square
/01 White
/55 Silver



DOT A29-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A29-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A30 IP20
Halo Glass
/01 White trim
/55 Silver trim



DOT A34-FT IP54
Convex Frosted Lens
/01 White trim
/55 Silver trim



DOT A34-FR IP54
Convex Fresnel Lens
/01 White trim
/55 Silver trim



DOT A34-GL IP54
Flat Glass Lens
/01 White trim
/55 Silver trim



DOT A62-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A62-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A63-CL IP65
Flush Clear Lens
/01 White trim
/55 Silver trim



DOT A63-SB IP65
Flush Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A64 IP54
Recessed
Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A65 IP54
Recessed Sandblasted
Lens
/01 White trim
/55 Silver trim



DOT A66 IP20
Cross Vane Silver Louvre
Must be used with A60 or
A68 Ceiling Plate.
/02 Polished
/03 Satin



DOT A67 IP20
Turbo Silver Louvre - Polished
Must be used with A60 or A68
Ceiling Plate.

Secured Access Accessories - Must be fitted prior to downlight installation



DOT A31-CL IP54
Clear Lens
/01 White trim
/55 Silver trim



DOT A31-SB IP54
Sandblasted Lens
/01 White trim
/55 Silver trim

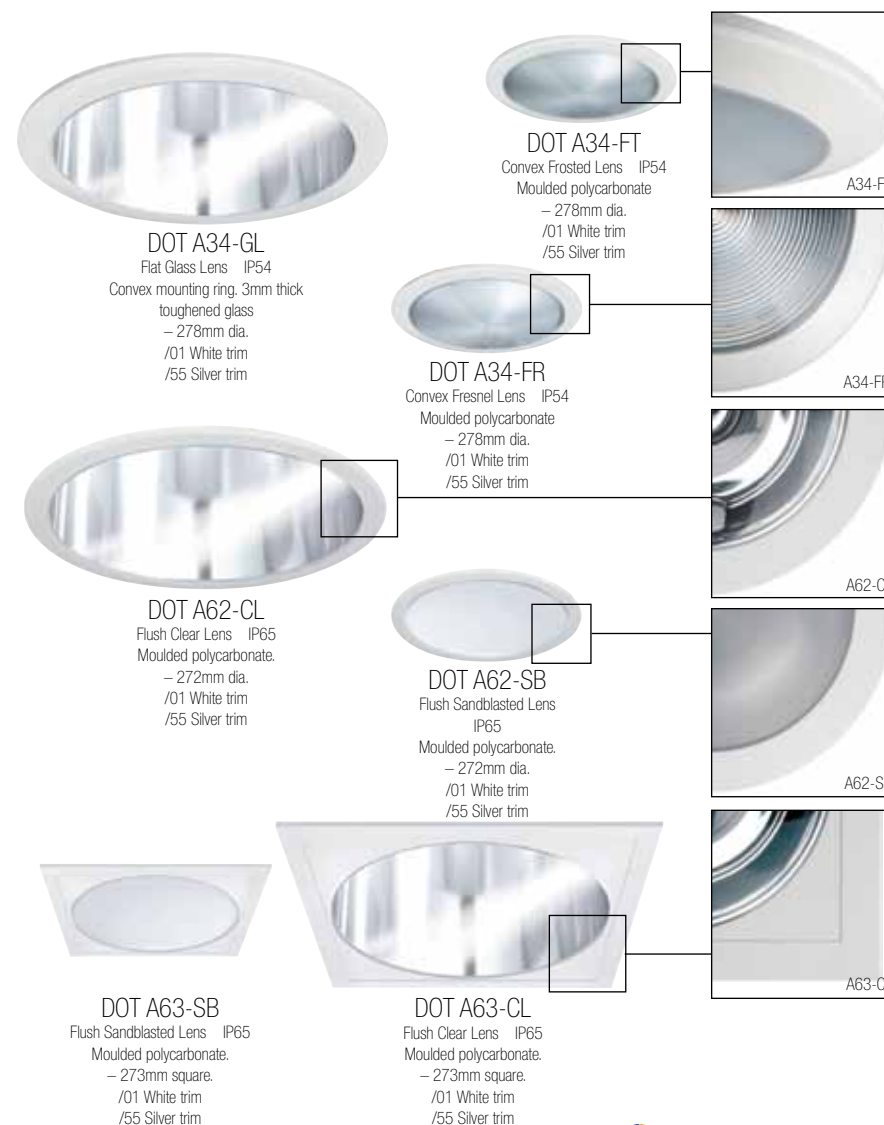
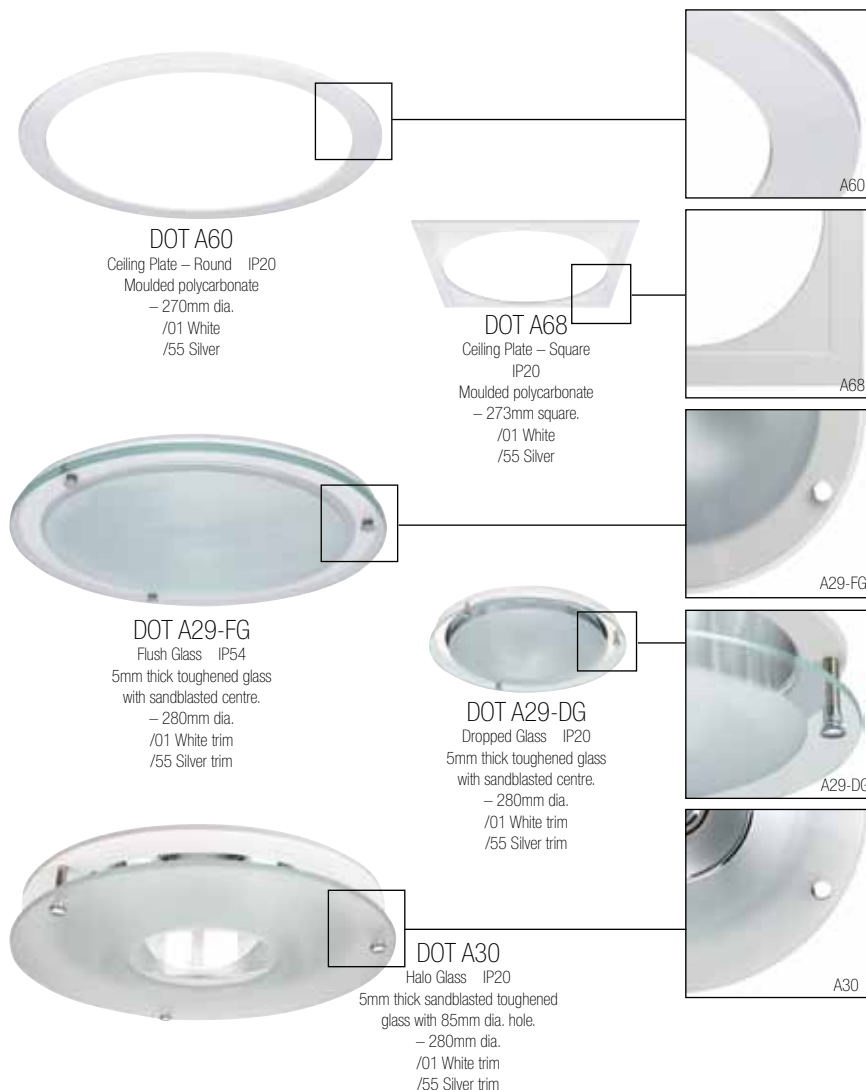


DOT A31-PR IP54
Prismatic Diffuser
/01 White trim
/55 Silver trim

Note: Secured accessories utilise tri-groove nuts. A special tool is required for installation and lamp replacement.



DOT 2000 Series Accessories



DOT 2950 & DOT 2960

DOT 2950 and 2960 accept double ended metal halide lamps.
Each reflector is fitted with a clear, toughened safety glass.



Features

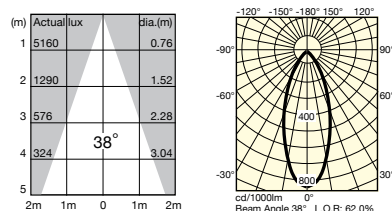
- Passivated, heavy gauge pressed steel mounting legs
- High purity reflector post anodised
- Recessed clear safety glass
- UV stabilised thermoplastic, moulded ceiling ring
- Suitable for Double ended Metal Halide lamps
- Supplied with round earth flex and plug

Applications

Retail showrooms, office and public areas.

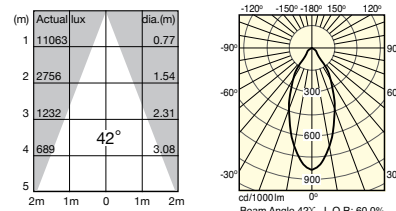
Technical

DOT 2950 - 1 x 70W MH-DE

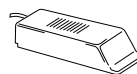
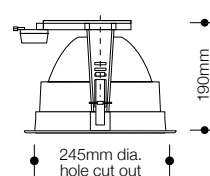


Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.47	.51	.55	.57	.60	.62	.63	.65	.66	
	30		.44	.48	.51	.54	.57	.59	.61	.63	.64	
	10		.41	.46	.49	.52	.55	.58	.59	.62	.63	
50	50	20	.46	.50	.53	.55	.58	.60	.61	.62	.63	
	30		.43	.48	.51	.53	.56	.58	.59	.61	.62	
	10		.41	.45	.49	.51	.54	.56	.58	.60	.61	
30	50	20	.45	.49	.52	.54	.56	.58	.59	.60	.61	
	30		.43	.47	.50	.52	.55	.56	.58	.59	.60	
	10		.41	.45	.48	.50	.53	.55	.56	.58	.59	
0	0	0	.40	.00	.44	.00	.47	.00	.49	.00	.51	

DOT 2960 - 1 x 150W MH-DE



Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.46	.50	.54	.56	.59	.61	.62	.64	.65	
	30		.43	.47	.51	.53	.56	.59	.60	.62	.64	
	10		.40	.45	.48	.51	.54	.57	.58	.61	.62	
50	50	20	.45	.49	.52	.54	.57	.59	.60	.62	.63	
	30		.42	.47	.50	.52	.55	.57	.58	.60	.61	
	10		.40	.45	.48	.50	.53	.55	.57	.59	.60	
30	50	20	.44	.48	.51	.53	.55	.57	.58	.59	.60	
	30		.42	.46	.49	.51	.54	.56	.57	.58	.59	
	10		.40	.44	.47	.49	.52	.54	.56	.57	.59	
0	0	0	.39	.43	.46	.48	.50	.52	.53	.55	.56	



Remote Control Gear

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
245mm Cutout			
2950	70W MH-DE (Rx7s)	270 x 190	4.1
2960	150W MH-DE (RX7s)	270 x 190	4.1
Note supplied less lamp and gear			
Accessories			
DOT A60 IP20 Ceiling Plate - Round /01 White /55 Silver		DOT A68 IP20 Ceiling Plate - Square /01 White /55 Silver	
DOT A29-FG IP54 Flush Glass /01 White trim /55 Silver trim		DOT A29-DG IP20 Dropped Glass /01 White trim /55 Silver trim	
DOT A30 IP20 Halo Glass /01 White trim /55 Silver trim			
DOT A34-GL IP54 Flat Glass Lens /01 White trim /55 Silver trim			



DOT 2000 Series Accessories



DOT A64
Recessed Sandblasted Lens IP54
Polycarbonate
– 273mm dia.
/01 White trim
/55 Silver trim



DOT A65
Recessed Sandblasted Lens IP54
Polycarbonate
– 275mm square.
/01 White trim
/55 Silver trim



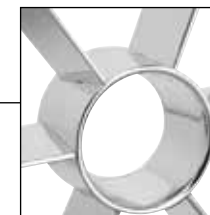
A55



DOT A67
Turbo Silver Louvre IP20
– Polished
Must be used with A60 or A68
ceiling plate.



A67 Turbo Silver Louvre
with
A60 Ceiling Plate



A67 Turbo Silver Louvre with
A68 Ceiling Plate

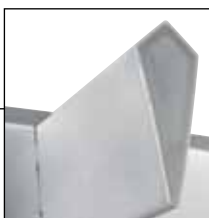
DOT 1000 Series Secured Access Accessories Fitted to downlight before installation.



DOT A66
Cross Vane Silver Louvre IP20
Must be used with A60 or A68
ceiling plate.
/02 Polished
/03 Satin



A66 Cross Vane Silver Louvre with
A60 Ceiling Plate



A66 Cross Vane Silver Louvre
with
A68 Ceiling Plate



DOT A31-CL
Clear Lens IP54
Polycarbonate flush mounted
c/w Tri-groove tamper proof
fasteners
– 275mm dia.
/01 White trim
/55 Silver trim



DOT A31-SB
Sandblasted Lens IP54
Polycarbonate, flush mounted
c/w Tri-groove tamper proof
fasteners
– 275mm dia.
/01 White trim
/55 Silver trim



A31-CL



DOT A31-PR
Prismatic Diffuser IP54
Polycarbonate, flush mounted
c/w Tri-groove tamper proof fasteners
– 275mm dia.
/01 White trim
/55 Silver trim



A31-PR



DOT 2860 & DOT 2870

DOT 2860 and 2870 are compact fluorescent downlights which incorporate asymmetric reflectors. These quality reflectors provide a "wall-wash" effect.



Features

- Quick and easy to install
- Easy downlight removal system
- Stainless steel mounting springs
- Remote, high temperature thermoplastic control gear housing
- Available with Electronic control gear, Analogue, DSI and DALI dimming
- High temperature lampholders
- Passivated, heavy gauge pressed steel mounting legs

- UV stabilised thermoplastic, moulded ceiling ring
- Range of accessories available
- Supplied with 3 pin flex and plug

Applications

Office, boardrooms, reception areas, retail outlets.



Stainless steel mounting springs

Product Codes		Dim	Mass
Code Version		(mm)	(kg)
245mm Cutout			
2860	2 x 18W TC-D 2 pin Low Loss	270 x 180	2.2
2870	2 x 26W TC-D/E 4 Pin EL	270 x 180	2.0

Note - Less lamps

Options

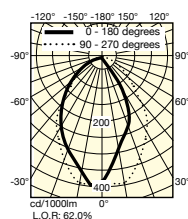
DOT A68 Ceiling Plate - Square /01 White /55 Silver	DOT A60 Ceiling Plate - Round /01 White /55 Silver	DOT A62-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim	DOT A63-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim

Accessories

DOT A31-CL IP54 Clear Lens /01 White trim /55 Silver trim	

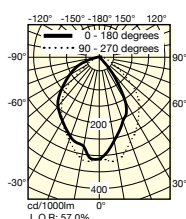
Technical

DOT 2860 - 2 x 18W TC-D

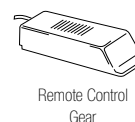
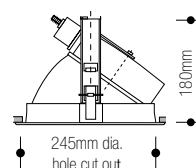


Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.42	.48	.52	.55	.59	.61	.63	.65	.66	
30			.38	.44	.48	.51	.56	.58	.60	.63	.65	
10			.35	.41	.45	.49	.53	.56	.58	.61	.63	
50	50	20	.41	.47	.51	.53	.57	.59	.61	.63	.64	
30			.37	.43	.47	.50	.54	.57	.59	.61	.62	
10			.35	.41	.45	.48	.52	.55	.57	.60	.61	
30	50	20	.40	.46	.49	.52	.55	.57	.59	.60	.61	
30			.37	.43	.47	.49	.53	.55	.57	.59	.60	
10			.34	.40	.44	.47	.51	.54	.56	.58	.59	
0	0	0	.33	.00	.39	.00	.43	.00	.45	.00	.49	

DOT 2870 - 2 x 26W TC-D/E



Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.39	.45	.48	.51	.54	.57	.58	.60	.61	
30			.36	.41	.45	.48	.52	.54	.56	.58	.60	
10			.33	.39	.43	.45	.49	.52	.54	.57	.59	
50	50	20	.38	.44	.47	.50	.53	.56	.58	.59		
30			.35	.41	.44	.47	.50	.53	.54	.56	.58	
10			.33	.38	.42	.45	.49	.51	.53	.55	.57	
30	50	20	.38	.43	.46	.48	.51	.53	.54	.56	.57	
30			.35	.40	.44	.46	.49	.51	.53	.55	.56	
10			.33	.38	.42	.44	.48	.50	.52	.54	.55	
0	0	0	.31	.00	.37	.00	.40	.00	.43	.00	.46	



Remote Control
Gear



DOT 370 Surface Mount

High quality surface mount downlight, designed for single 26W, 32W and 42W CFL lamps.



Features

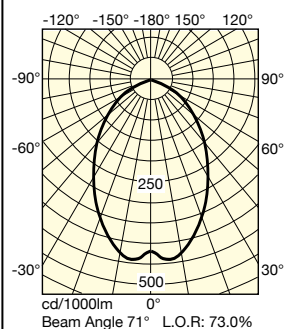
- Single lamp model in 26/32/42W TC-T/E Compact fluorescent lamps offering a solution for a variety of applications
- Integrated multi-watt electronic ballast maximising energy efficiency
- Options include 0-10V, DSI and DALI dimming with remote control gear
- Complete with polished silver reflector for enhanced performance
- Easy installation with unique mounting system
- Can accept DOT370 accessories via AxLock system
- Spun aluminium housing for a durable solution
- Supplied less lamps

Applications

Foyers, showrooms, retail, shopping centres.

Technical

DOT 370 - 42W TC-T/E



(m)	Actual lux	dia.(m)
1	1347	1.42
2	336	2.84
3	150	4.26
4	83	5.68
5		

Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.50	.57	.61	.65	.69	.72	.74	.76	.78	
	30		.45	.52	.57	.61	.66	.69	.71	.74	.76	
	10		.42	.49	.54	.58	.63	.66	.69	.72	.75	
50	50	20	.49	.55	.60	.63	.67	.70	.71	.74	.75	
	30		.44	.51	.56	.60	.64	.67	.69	.72	.74	
	10		.41	.48	.53	.57	.62	.65	.67	.70	.72	
30	50	20	.48	.54	.58	.61	.65	.67	.69	.71	.72	
	30		.44	.51	.55	.58	.63	.65	.67	.70	.71	
	10		.41	.48	.53	.56	.61	.64	.66	.68	.70	
0	0	0	.40	.00	.46	.00	.51	.00	.54	.00	.58	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
Electronic ballast Less lamp			
370/02/HF/SM	1 x 26/32/42W TC-T/E	192 x 226	1.6
Accessories			
	DOT A50 P20 Ceiling Plate - Round /01 White /55 Silver		DOT A12-FG IP44 Flush Glass /01 White trim /55 Silver trim
	DOT A12-DG IP20 Dropped Glass /01 White trim /55 Silver trim		DOT A16 IP20 Halo Glass /01 White trim /55 Silver trim
	DOT A27-FT IP54 Convex Frosted Lens /01 White trim /55 Silver trim		DOT A27-FR IP54 Convex Fresnel Lens /01 White trim /55 Silver trim
	DOT A27-GL IP54 Flat Glass Lens /01 White trim /55 Silver trim		DOT A52-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim
	DOT A52-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim		



140 Downlights



IP20



Max. Mass

Max Dim(mm)
192 x 226



to 25



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professional lighting solutions

DOT2200 Surface Mount

Twin 26W compact fluorescent surface mount downlight.



Features

- 2 x 26W TC-D/E twin lamp model providing low glare performance
- Integrated electronic ballast maximising energy efficiency
- Options include 0-10V, DSI and DALI dimming with remote control gear
- Choice of polished silver, satin silver or diamond faceted reflector
- Easy installation with unique mounting system

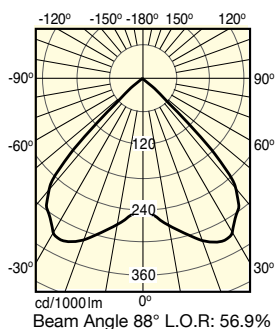
- Can accept DOT2000 accessories via AxLock system
- Spun aluminium housing for a durable solution
- Supplied less lamps

Applications

Foyers, lobbies, shopping centres, schools, universities, TAFE's.

Technical

DOT 2200/02/HF/SM



(m)	Actual lux	dia.(m)
1	885	1.93
2	223	3.86
3	97	5.79
4	58	7.72
5		

Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.41	.47	.50	.53	.56	.58	.59	.61	.62	
	30		.38	.44	.47	.50	.53	.56	.57	.59	.60	
	10		.35	.41	.45	.48	.51	.54	.56	.58	.59	
50	50	20	.40	.46	.49	.51	.54	.56	.57	.59	.59	
	30		.37	.43	.47	.49	.52	.54	.56	.57	.58	
	10		.35	.41	.45	.47	.50	.53	.54	.56	.57	
30	50	20	.40	.45	.48	.50	.53	.54	.55	.57	.57	
	30		.37	.42	.46	.48	.51	.53	.54	.56	.57	
	10		.35	.41	.44	.46	.50	.52	.53	.55	.56	
0	0	0	.34	.39	.43	.45	.48	.50	.51	.52	.53	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
Electronic ballast Less lamp			
2200/02/HF/SM	2 x 26W TC-D/E	270 x 245	1.7
Options			
 /02 Polished Silver Reflector  /03 Satin Silver Reflector  /09 Diamond Facetted Silver Reflector			
Accessories			
 DOT A29-FG IP54 Flush Glass /01 White trim /55 Silver trim  DOT A29-DG IP20 Dropped Glass /01 White trim /55 Silver trim  DOT A30 IP20 Halo Glass /01 White trim /55 Silver trim  DOT A34-FT IP54 Convex Frosted Lens /01 White trim /55 Silver trim  DOT A34-FR IP54 Convex Fresnel Lens /01 White trim /55 Silver trim  DOT A34-GL IP54 Flat Glass Lens /01 White trim /55 Silver trim  DOT A62-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim  DOT A62-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim  DOT A66 IP20 Cross Vane Silver Louvre Must be used with A60 or A68 Ceiling Plate. /02 Polished /03 Satin  DOT A67 IP20 Turbo Silver Louvre - Polished Must be used with A60 or A68 Ceiling Plate.			
			



DOT 4000 Series

The DOT 4000 Series is a superior square downlight which accepts compact fluorescent lamps.



Features

- Die cast bezel
- Quick and easy to install, including accessories
- Easy downlight removal system
- Stainless steel mounting springs
- Remote, high temperature thermoplastic control gear housing
- High temperature lamp holders
- Passivated, heavy gauge pressed steel mounting legs
- High purity, aluminium reflector

- Large range of accessories - interchangeable after installation
- Choice of reflector options and bezel colours

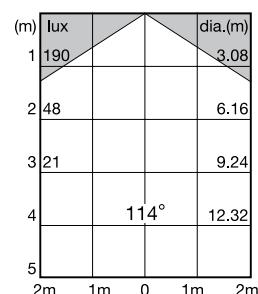
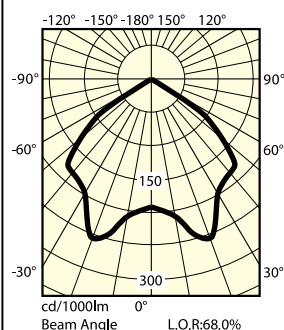
Applications

Office, boardrooms, foyers, medical centres, retail outlets and exterior walkways.



Technical

DOT 4030 - 2 x 18W TC-D



Reflectance			Room Index								
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	#N/A	.56	.60	.62	.66	.69	.70	.73	.74
	30		#N/A	.52	.56	.59	.64	.66	.68	.71	.72
	10		#N/A	.49	.53	.56	.61	.64	.66	.69	.71
50	50	20	#N/A	.55	.58	.61	.65	.67	.68	.70	.71
	30		#N/A	.51	.55	.58	.62	.65	.66	.68	.70
	10		#N/A	.49	.52	.56	.60	.63	.65	.67	.69
30	50	20	#N/A	.54	.57	.59	.63	.65	.66	.68	.69
	30		#N/A	.51	.54	.57	.61	.63	.64	.66	.68
	10		#N/A	.48	.52	.55	.59	.61	.63	.65	.67
0	0	0	#N/A	.47	.50	.53	.57	.59	.60	.62	.63

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
168mm square cutout, Low Loss, Less Lamp			
4010/02/LL	2 x 13W TC-D 2 pin	190 x 128	2.3
4020/02/LL	1 x 18W TC-D 2 pin	190 x 128	2.3
4030/02/LL	2 x 18W TC-D 2 pin	190 x 128	2.3
168mm square cutout, Electronic, Less Lamp			
4040/02/HF	1 x 26W TC-D/E 4 pin	190 x 128	2.0
4050/02/HF	2 x 26W TC-D/E 4 pin	190 x 128	2.0



142 Downlights



IP20



Max. Mass

Max Dim(mm)
190 x 128



to 25



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professional lighting solutions

Options

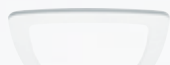


/02
Polished Silver Reflector

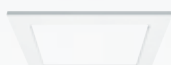


/03
Satin Silver Reflector

Accessories - AxLock can be fitted without removing downlight



DOT A40 IP20
Ceiling Plate - SoftSquare®
/01 White
/55 Silver



DOT A48 IP20
Ceiling Plate - Square
/01 White
/55 Silver



DOT A42-CL IP54
Clear Lens
/01 White trim
/55 Silver trim



DOT A42-SB IP54
Sandblasted Lens
/01 White trim
/55 Silver trim



DOT A44-FL IP54
Flush Lens
/01 White trim
/55 Silver trim



DOT A44-DL IP20
Dropped Lens
/01 White trim
/55 Silver trim



DOT A45-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A45-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A49-FG IP54
Flush Glass
/01 White trim
/55 Silver trim



DOT A49-DG IP20
Dropped Glass
/01 White trim
/55 Silver trim



DOT A46 IP20
Cross Vane Silver Louvre
Must be used with A40 or
A48 Ceiling Plate.
/02 Polished
/03 Satin



DOT4000 Wallwash

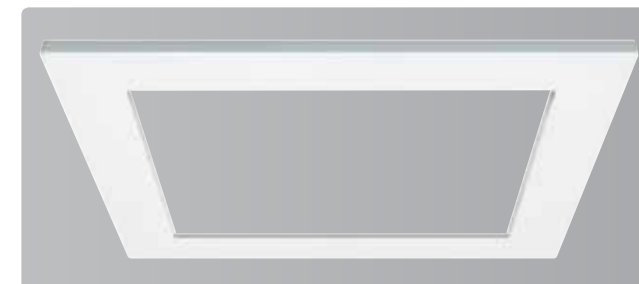
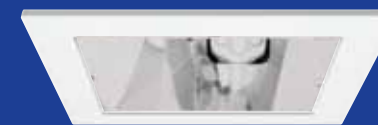
DOT4000 wallwash series is a professional range of square wallwash downlights.

Features

- Single lamp high performance wall washer
- Die cast bezel
- Quick and easy to install, including accessories
- Easy downlight removal system
- Stainless steel mounting springs
- Remote, high temperature thermoplastic control gear housing
- Available with Analogue, DSI and DALI Dimming
- High temperature lampholders
- Passivated, heavy gauge pressed steel mounting legs
- Complete with DOT A48 square ceiling white plate

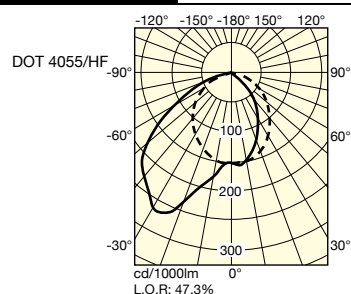
Applications

Office, boardrooms, foyers, medical centres, retail.

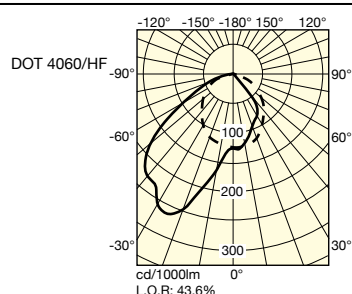


Square Ceiling plate

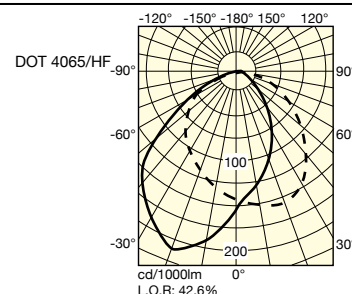
Technical



Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.30	.34	.38	.40	.43	.45	.47	.49	.50	
30			.27	.31	.35	.37	.41	.43	.45	.47	.49	
10			.24	.28	.32	.35	.39	.41	.43	.46	.47	
50	50	20	.29	.33	.37	.39	.42	.44	.45	.47	.48	
30			.26	.30	.34	.36	.40	.42	.43	.45	.47	
10			.24	.28	.32	.34	.38	.40	.42	.44	.46	
30	50	20	.29	.32	.36	.38	.40	.42	.44	.45	.46	
30			.26	.30	.33	.36	.39	.41	.42	.44	.45	
10			.24	.28	.31	.34	.37	.39	.41	.43	.44	
0	0	0	.23	.27	.30	.32	.36	.38	.39	.41	.42	



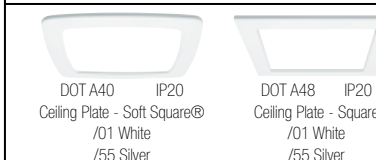
Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.28	.31	.35	.37	.40	.42	.43	.45	.46	
30			.25	.28	.32	.34	.37	.40	.41	.43	.45	
10			.22	.26	.29	.32	.35	.38	.39	.42	.43	
50	50	20	.27	.31	.34	.36	.38	.40	.41	.43	.44	
30			.24	.28	.31	.33	.36	.38	.40	.42	.43	
10			.22	.26	.29	.31	.35	.37	.38	.41	.42	
30	50	20	.26	.30	.33	.35	.37	.39	.40	.41	.42	
30			.24	.27	.31	.33	.36	.37	.39	.40	.42	
10			.22	.26	.29	.31	.34	.36	.38	.39	.41	
0	0	0	.21	.25	.28	.30	.33	.34	.36	.38	.39	



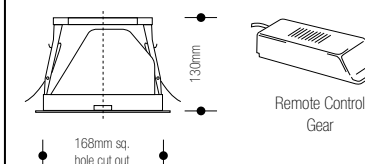
Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.27	.31	.34	.36	.39	.41	.42	.44	.45	
30			.24	.28	.31	.33	.37	.39	.40	.42	.44	
10			.22	.26	.29	.31	.35	.37	.39	.41	.42	
50	50	20	.27	.30	.33	.35	.38	.39	.40	.42	.43	
30			.24	.27	.30	.33	.36	.38	.39	.41	.42	
10			.22	.25	.29	.31	.34	.36	.38	.40	.41	
30	50	20	.26	.29	.30	.34	.36	.38	.39	.40	.41	
30			.24	.27	.30	.32	.35	.36	.38	.39	.41	
10			.22	.25	.28	.30	.33	.35	.37	.39	.40	
0	0	0	.21	.24	.27	.29	.32	.34	.35	.37	.38	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
168mm Cutout, less lamp			
4055/02/HF	1 x 18W TC-D/E EL	190 x 128	1.4
4060/02/HF	1 x 26w TC-D/E EL	190 x 128	1.4
4065/02/HF	1 x 32W TC-D/E EL	190 x 128	1.4

Accessories



Dimensions



144 Downlights

IPI20



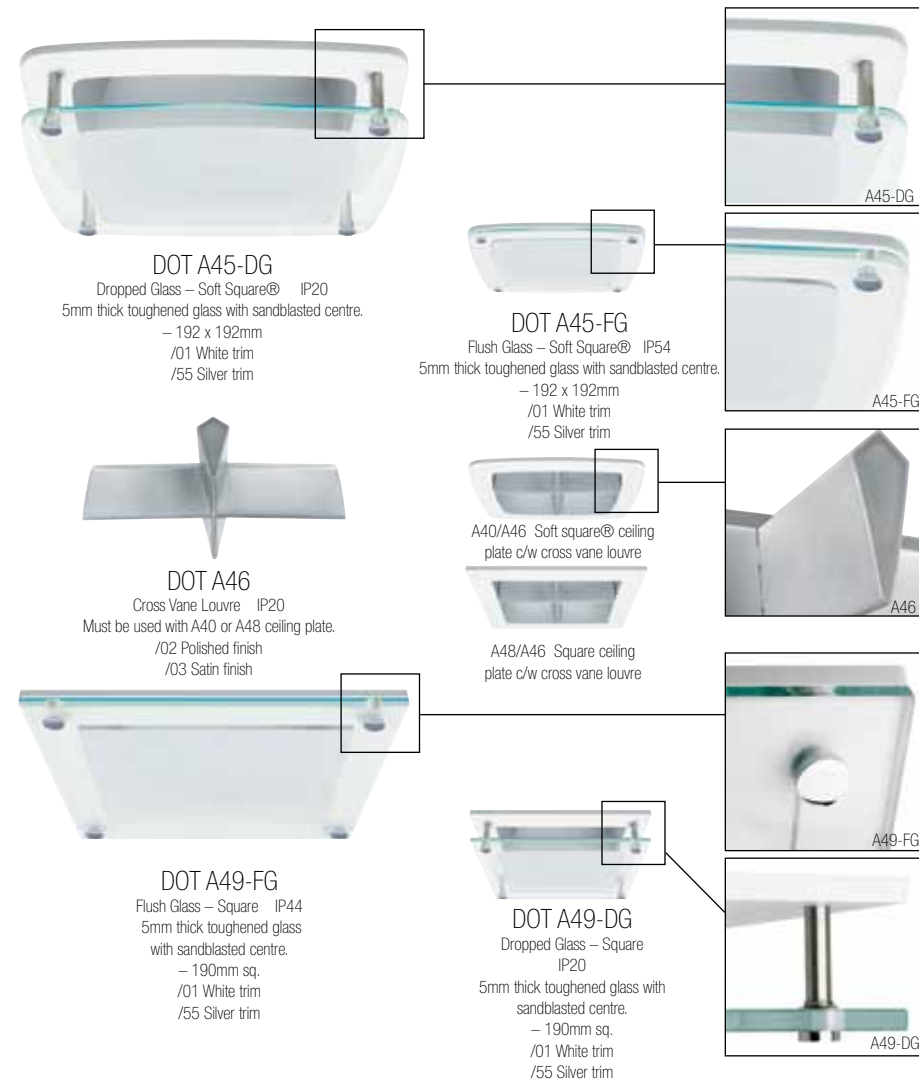
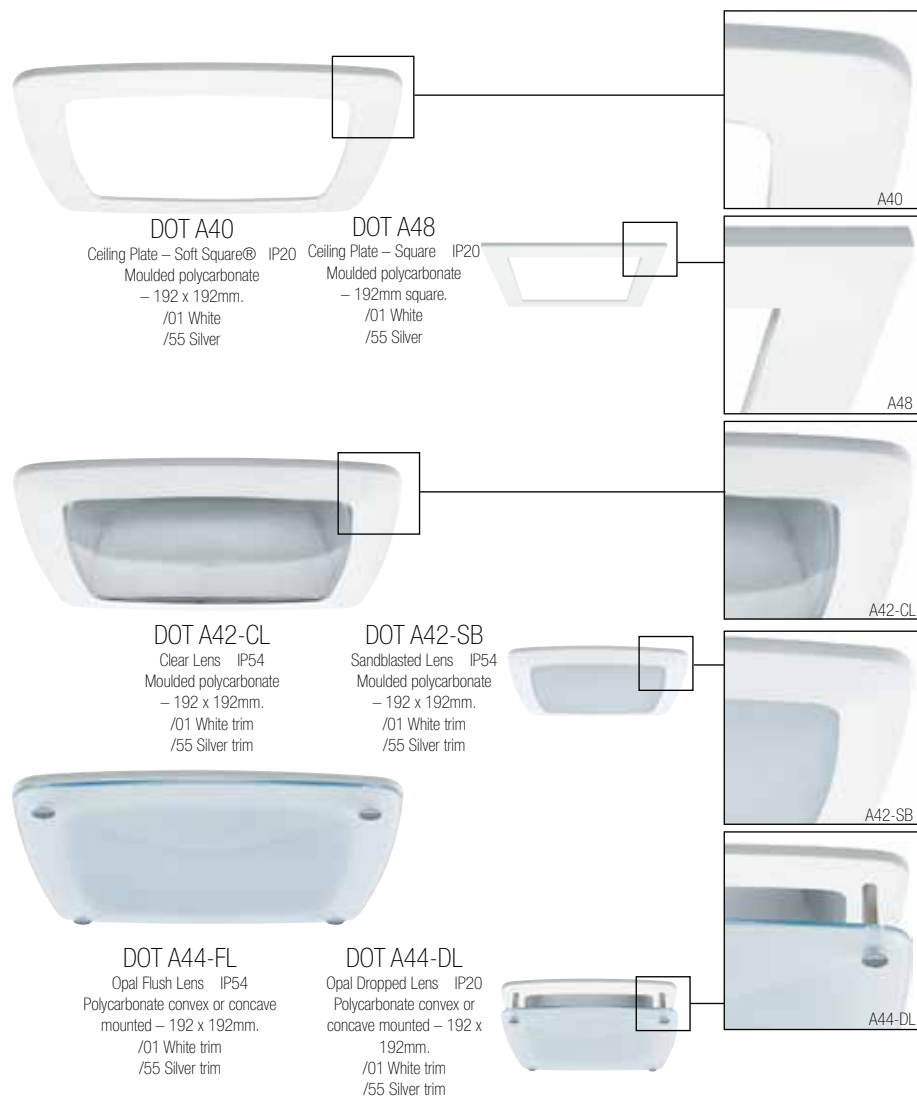
Max. Mass

Max Dim(mm)
190 x 128



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DOT4000 AxLock Accessories







DOT70 CDM-TC

The DOT70 Beam Modulator is a recessed projector which offers more flexibility than any other downlight.



Features

- Variable beam (13°-81° for 70W CDM-TC)
- 35° tilt
- 358° rotation
- CDM-TC lamp technology 20, 35, 70W
- Easy Lamp replacement
- Double skin reflector assembly
- Thermoplastic construction
- Quick and easy to install
- Easy downlight removal system
- Remote Electronic control gear
- Double insulated
- Three colours, white, silver, gun metal

Applications

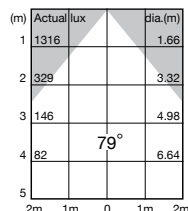
Shop windows, retail applications, jewellery stores.

Technical

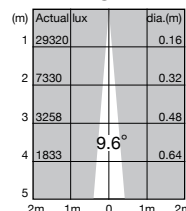
DOT 70-35W-G8.5

Reflectance		Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	.45	.51	.55	.57	.61	.63	.65	.67	.68
30			.41	.47	.51	.54	.58	.61	.62	.65	.66
10			.38	.44	.49	.52	.56	.59	.61	.63	.65
50	50	20	.44	.50	.53	.56	.59	.61	.62	.64	.65
30			.40	.46	.50	.53	.57	.59	.61	.63	.64
10			.38	.44	.48	.51	.55	.57	.59	.62	.63
30	50	20	.43	.49	.52	.54	.57	.59	.60	.62	.63
30			.40	.46	.49	.52	.55	.58	.59	.61	.62
10			.38	.44	.47	.50	.54	.56	.58	.60	.61
0	0	0	.37	.42	.46	.48	.52	.54	.55	.57	.58

WIDE



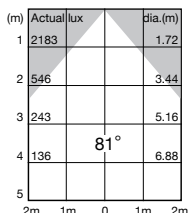
NARROW



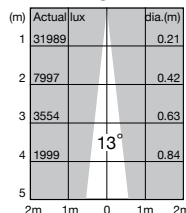
DOT 70-70W-G8.5

Reflectance		Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0
70	50	20	.45	.50	.54	.57	.60	.62	.64	.66	.67
30			.41	.47	.51	.54	.57	.60	.62	.64	.66
10			.38	.44	.48	.51	.55	.58	.60	.63	.64
50	50	20	.44	.49	.53	.55	.58	.60	.62	.63	.64
30			.40	.46	.50	.53	.56	.58	.60	.62	.63
10			.38	.44	.48	.50	.54	.57	.58	.61	.62
30	50	20	.43	.48	.52	.54	.57	.58	.60	.61	.62
30			.40	.46	.49	.52	.55	.57	.58	.60	.61
10			.38	.43	.47	.50	.53	.56	.57	.59	.60
0	0	0	.37	.42	.46	.48	.51	.53	.55	.56	.58

WIDE



NARROW



Product Codes	
Code	Version
155mm Cutout c/w 4000k lamp & EL Gear	
DOT70/20G85/4/W	20W CDM-TC White
DOT70/35G85/4/W	35W CDM-TC White
DOT70/70G85/4/W	70W CDM-TC White
Options	
 /01 White  /55 Silver  /56 Gunmetal	
Filter Housing	
 Filter Housing - Optional on 20W & 35W models only  Clear, Accent & Diffusion Lens supplied with Filter Housing.	
Filters-Only available on 20W & 35W models	
 UV  Red  Blue  Yellow  Orange  Green	



148 Downlights

IP20



Max. Mass

Max Dim(mm)

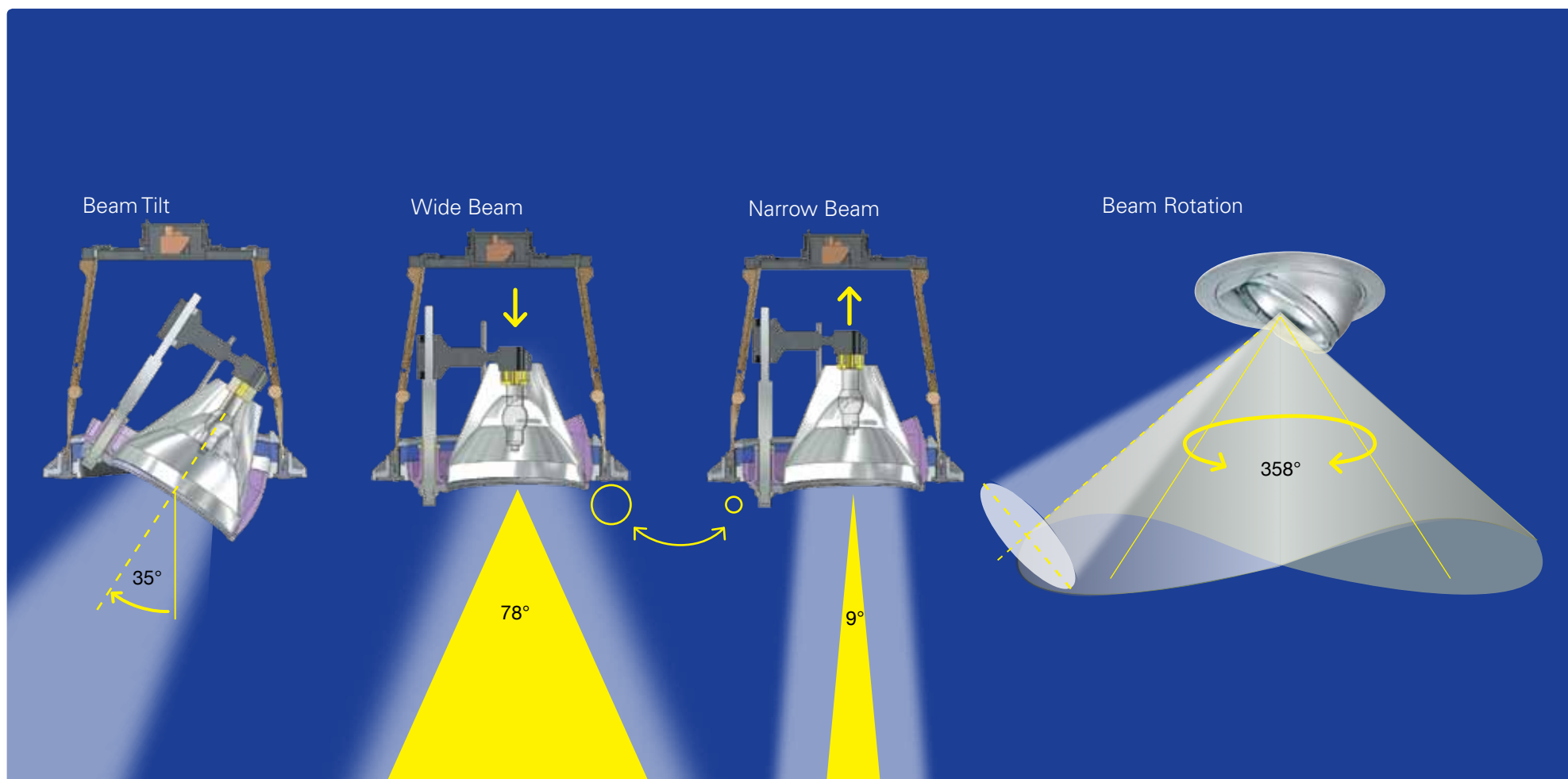
ø165 x 185



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Beam Adjustment



DOT 70 CDM-TM

DOT 70 Beam Modulator is a recessed projector which offers more features than any other downlight.



Features

- Variable beam (9° - 75° 20W model)
- 35° tilt, 358 deg rotation
- 20/35W CDM-TM and 75W TH
- Double skin reflector assembly
- Thermoplastic construction
- Easy downlight removal system

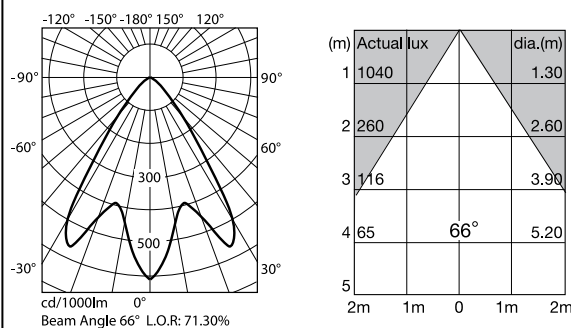
- Remote electronic control gear
- Double insulated

Applications

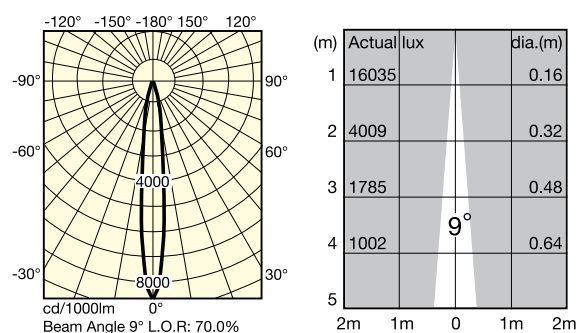
Shop lighting, display lighting, office foyers, board rooms, hotel foyers, exhibitions, art galleries.

Technical

DOT 70 - 20W CDM-Tm Wide Beam



DOT 70/20W/PGJ5/NARROW



Product Codes

Code	Version
Metal Halide - cutout 150mm	
DOT70/20/PGJ5/W	20W CDM-TM White
DOT70/20/PGJ5/S	20W CDM-TM Silver
DOT70/20/PGJ5/G	20W CDM-TM Gunmetal
DOT70/35/PGJ5/W	35W CDM-TM White
DOT70/35/PGJ5/S	35W CDM-TM Silver
DOT70/35/PGJ5/G	35W CDM-TM Gunmetal
Halogen	
DOT70/20/GY/W	75W (max) Halogen White
DOT70/20/GY/S	75W (max) Halogen Silver
DOT70/20/GY/G	75W (max) Halogen Gunmetal
Ceiling Plates	
DOTA71/01	Square Ceiling Plate White
DOTA71/55	Square Ceiling Plate Silver
DOTA71/56	Square Ceiling Plate Gun Metal
DOTA72/01	Two Light Square Ceiling Plate White
DOTA72/55	Two Light Square Ceiling Plate Silver
DOTA72/56	Two Light Square Ceiling Plate Gun Metal
DOTA73/01	Three Light Square Ceiling Plate White
DOTA73/55	Three Light Square Ceiling Plate Silver
DOTA73/56	Three Light Square Ceiling Plate Gun Metal
Filters	
REDFILTER	Red Filter
GRNFILTER	Green Filter
BLUFILTER	Blue Filter
ORGFILTER	Orange Filter
YELFILTER	Yellow Filter
UVFILTER	UV Filter
DIFFUSION	Diffusion



150 Downlights



IP20



0.14kg

Max. Mass

Max Dim(mm)
ø165 x 185



ta 25



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professional lighting solutions

DOT 70 CDM-TM

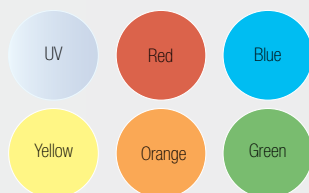
Options



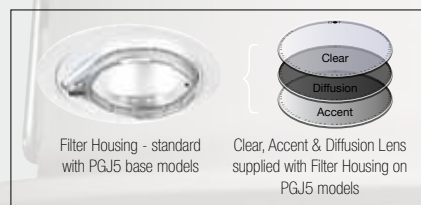
Accessories



Filters



Filter Housing



DOT375 Dust Proof

Dust proof recessed energy efficient downlight designed for CFL lamp sources.



Features

- Ideal for Insect proof applications
- IP65 dust proof optical assembly
- Supplied less lamp
- Sealed above and below the ceiling
- Multi wattage downlight - 1x26W/32W/42W
- Suitable for dimming; analogue, DSI or DALI

- Satin Finish Reflector
- Supplied with 3 pin flex and plug

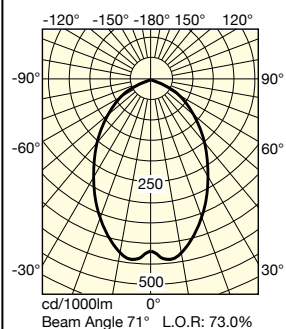
Applications

Under eaves or verandahs, foyers.



Technical

DOT 375 - 42W TC-T/E



(m)	Actual lux	dia.(m)
1	1347	1.42
2	336	2.84
3	150	4.26
4	83	5.68
5		

Reflectance			Room Index									
C	W	F	0.75	1.0	1.25	1.50	2.0	2.5	3.0	4.0	5.0	
70	50	20	.50	.57	.61	.65	.69	.72	.74	.76	.78	
	30		.45	.52	.57	.61	.66	.69	.71	.74	.76	
	10		.42	.49	.54	.58	.63	.66	.69	.72	.75	
50	50	20	.49	.55	.60	.63	.67	.70	.71	.74	.75	
	30		.44	.51	.56	.60	.64	.67	.69	.72	.74	
	10		.41	.48	.53	.57	.62	.65	.67	.70	.72	
30	50	20	.48	.54	.58	.61	.65	.67	.69	.71	.72	
	30		.44	.51	.55	.58	.63	.65	.67	.70	.71	
	10		.41	.48	.53	.56	.61	.64	.66	.68	.70	
0	0	0	.40	.00	.46	.00	.51	.00	.54	.00	.58	

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout, Electronic IP65			
375/03/HF	1 x 26/32/42WTC-T/E	192 x 225	0.93



154 Downlights

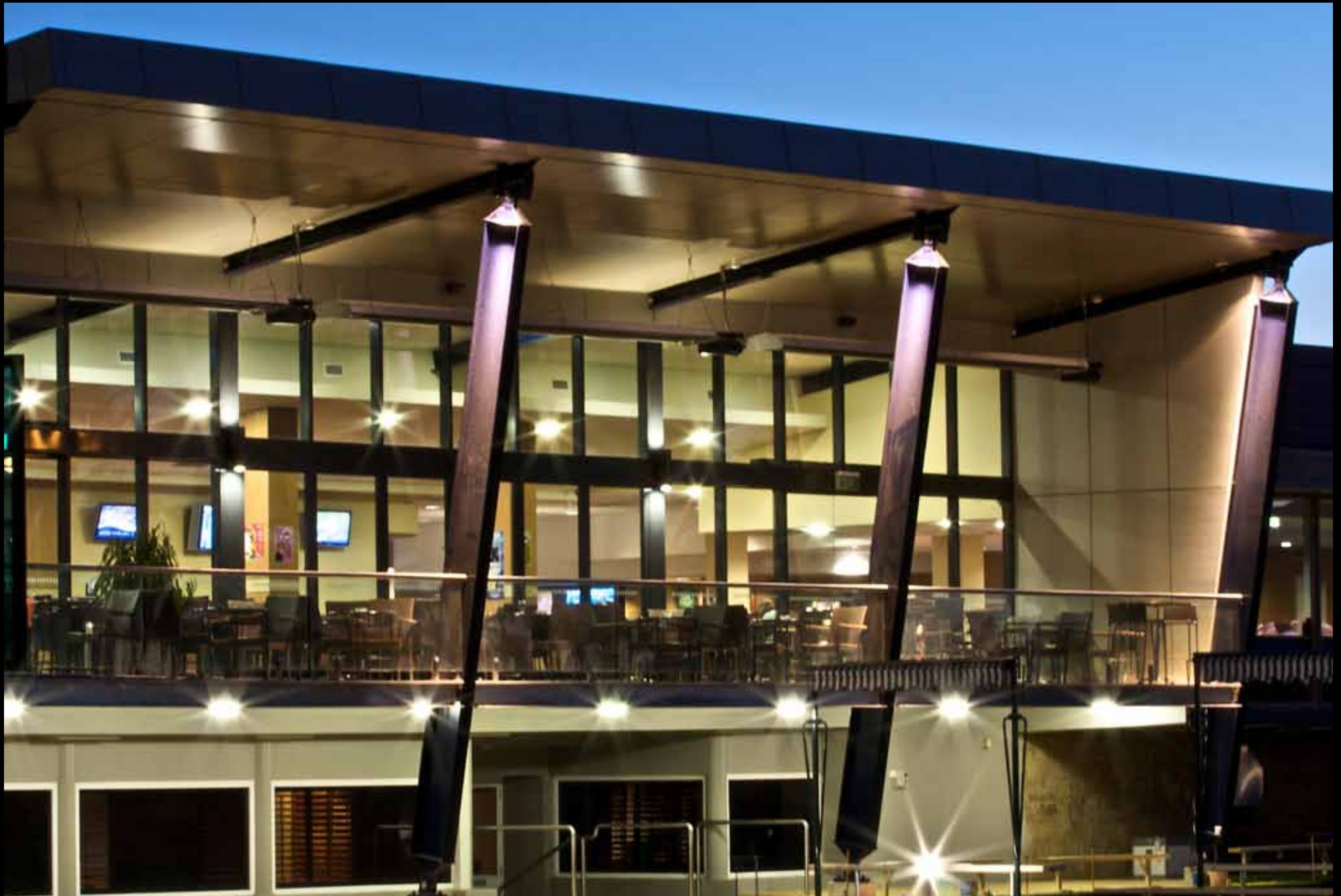


Max Dim(mm)
192 x 225



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DOT9330 LED

Energy efficient LED recessed downlight - 1100 lumen system.



Features

- 1100 Lumen output, two options; 3000k and 4000k
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; DALI or touch dim
- Cool Beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented Phosphor Lens provides consistent colour temperature
- Active cooling system - 100k hrs life
- Compatible with wide range of AxLock Accessories
- Vacuum metalised or satin finish reflector options
- High LOR
- Supplied with 3 pin flex and plug
- White ceiling plate fitted as standard

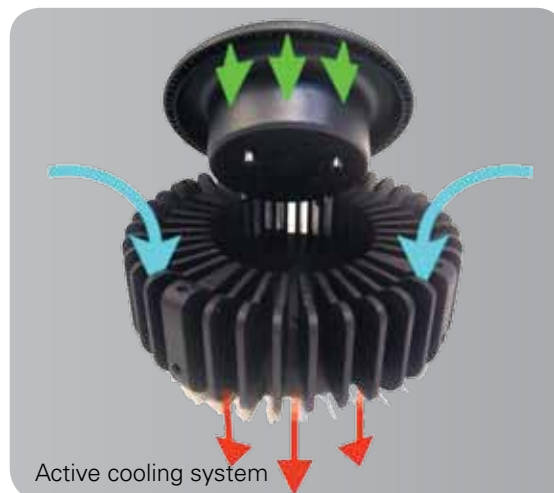
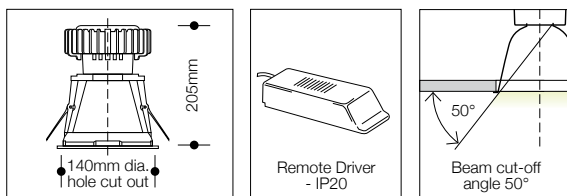
Applications

Difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.



Technical

Total energy consumption; Colour 830 = 20.1W
Colour 840 = 19.1W



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
140mm Cutout 1100lm active cooling, matt reflector			
9330/03/A/3	19W 3000k LED	160 x 205	1.25
9330/03/A/4	18W 4000k LED	160 x 205	1.25
Options			
Fitted to downlight after installation.			
			
A7-CL IP54 Convex Clear Lens	A7-FT IP54 Convex Frosted Lens	A7-FR IP54 Convex Fresnel Lens	
STANDARD ACCESSORY Fitted to downlight before installation.			
			
A10-FG IP54 Flush Glass	A10-DG IP20 Dropped Glass	A11 IP20 Halo Glass	

DOT9370 LED

Energy efficient LED recessed downlight - 2000 lumen system.

Features

- 2000 Lumen output, two options; 3000k and 4000k
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; Dali or Touch Dim
- Cool Beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented Phosphor Lens provides consistent colour temperature
- Active cooling system - 100k hrs life

- Compatible with wide range of AxLock Accessory
- Vacuum Metalised or Satin finish reflector options
- High LOR
- Complete with 3 pin flex and plug
- White ceiling plate fitted as standard

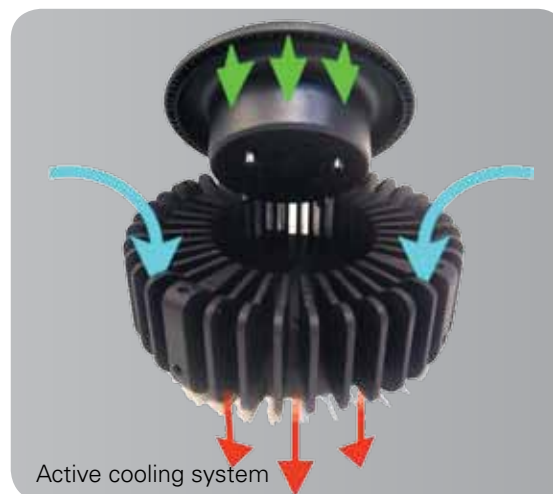
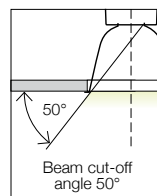
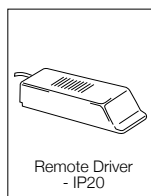
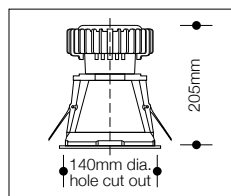
Applications

Difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.



Technical

Total energy consumption; Colour 830 = 20.1W
Colour 840 = 19.1W



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
140mm Cutout, 2000lm active cooling, satin reflector			
9370/03/P/3	36W 3000k LED	160 x 205	1.25
9370/03/P/4	32W 4000k LED	160 x 205	1.25
Options			
Fitted to downlight after installation.			
	A7-CL IP54 Convex Clear Lens		A7-FT IP54 Convex Frosted Lens
			A7-FR IP54 Convex Fresnel Lens
STANDARD ACCESSORY			
Fitted to downlight before installation.			
	A10-FG IP54 Flush Glass		A10-DG IP20 Dropped Glass
			A11 IP20 Halo Glass



156 Downlights



Max Dim(mm)
ø160 x 205



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DOT9530 LED

Energy efficient LED recessed downlight - 1100 lumen system.

Features

- 1100 Lumen output, two options; 3000k and 4000k
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; DALI or touch dim
- Cool beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented phosphor lens provides consistent colour temperature
- Passive or active cooling system available (active-100k hrs life)

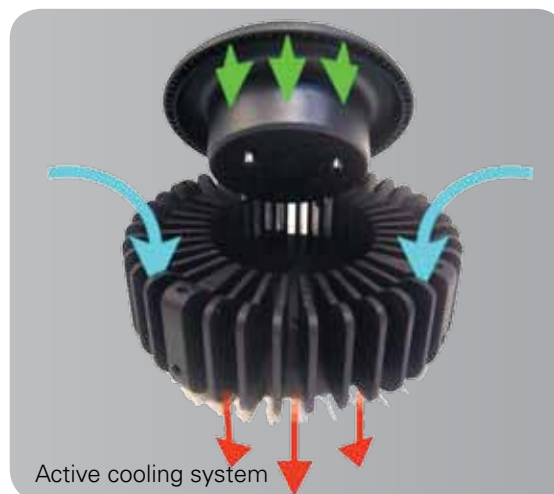
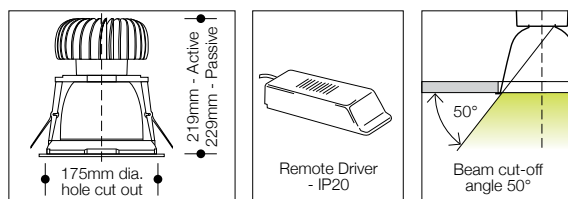
- Compatible with wide range of AxLock accessory
- Vacuum metalised or satin finish reflector options
- High LOR
- Supplied with 3 pin flex and plug
- White ceiling plate fitted as standard

Applications

Difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.



Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout 1100lm active cooling, satin reflector			
9530/03/P/3	19W 3000k LED	192 x 229	1.45
9530/03/P/4	18W 4000k LED	192 x 229	1.45

Accessories			
Fitted to downlight after installation. Refer page 42 for Accessory specifications.			
A50 IP20 Ceiling Plate - Round /01 White /55 Silver	A58 IP20 Ceiling Plate - Square /01 White /55 Silver	A12-FG IP54 Flush Glass /01 White trim /55 Silver trim	A12-DG IP20 Dropped Glass /01 White trim /55 Silver trim
A16 IP20 Halo Glass /01 White trim /55 Silver trim	A27-FT IP54 Convex Frosted Lens /01 White trim /55 Silver trim	A27-FR IP54 Convex Fresnel Lens /01 White trim /55 Silver trim	A27-GL IP54 Flat Glass Lens /01 White trim /55 Silver trim
A52-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim	A52-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim	A53-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim	A53-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim
A54 IP54 Recessed Sandblasted Lens /01 White trim /55 Silver trim	A55 IP54 Recessed Sandblasted Lens /01 White trim /55 Silver trim	A59-FG IP54 Flush Glass /01 White trim /55 Silver trim	A59-DG IP20 Dropped Glass /01 White trim /55 Silver trim



DOT9550 LED Food Service

Energy efficient LED (food) recessed downlight -
1800lm 3000k and 2000lm 4000k system.

Features

- Food (meat, bread, vegetables and fish) can be illuminated more naturally –3000k for meat, vegetables and bread and 4000k for fish.
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Cool beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented phosphor lens provides consistent colour temperature

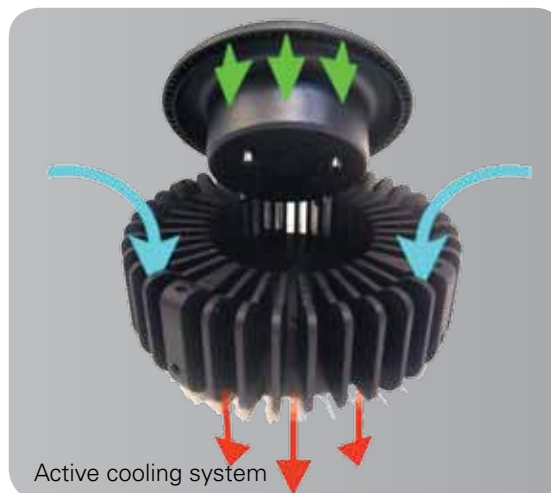
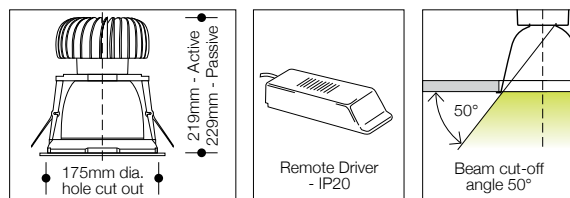
- Active cooling system (Active-100k hrs life)
- Compatible with wide range of AxLock Accessory
- Vacuum Metalised or Satin finish reflector options
- High LOR
- Supplied with 3 pin flex and plug
- White ceiling plate fitted as standard

Applications

Shops, supermarkets and retail.



Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout 1800lm active cooling, satin reflector			
9550FOOD/03/P/3	50W 3000k LED	192 x 229	1.62
9550FOOD/03/P/4	50W 4000k LED	192 x 229	1.62
Accessories			
Fitted to downlight after installation.			
A50 Ceiling Plate - Round /01 White /55 Silver	IP20	A58 Ceiling Plate - Square /01 White /55 Silver	IP20
A16 Halo Glass /01 White trim /55 Silver trim	IP20	A27-FT Convex Frosted Lens /01 White trim /55 Silver trim	IP54
A52-CL Flush Clear Lens /01 White trim /55 Silver trim	IP65	A52-SB Flush Sandblasted Lens /01 White trim /55 Silver trim	IP65
A54 Recessed Sandblasted Lens /01 White trim /55 Silver trim	IP54	A55 Recessed Sandblasted Lens /01 White trim /55 Silver trim	IP54
A12-FG Flush Glass /01 White trim /55 Silver trim	IP54	A27-FR Convex Fresnel Lens /01 White trim /55 Silver trim	IP54
A53-CL Flush Clear Lens /01 White trim /55 Silver trim	IP65	A59-FG Flush Glass /01 White trim /55 Silver trim	IP54
A12-DG Dropped Glass /01 White trim /55 Silver trim	IP20	A59-DG Dropped Glass /01 White trim /55 Silver trim	IP20
A27-GL Flat Glass Lens /01 White trim /55 Silver trim	IP54		
A53-SB Flush Sandblasted Lens /01 White trim /55 Silver trim	IP65		



158 Downlights



Max Dim(mm)
ø192 x 229



PIERLITE
professional lighting solutions

DOT9570 LED Recessed

LED Recessed Downlight - 2000 lumen system.

Features

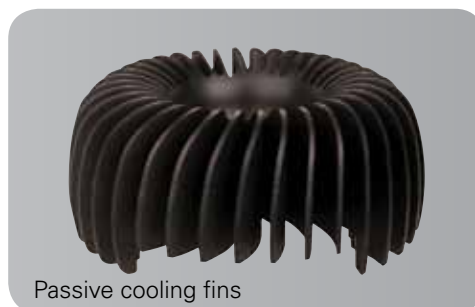
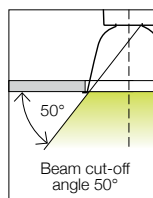
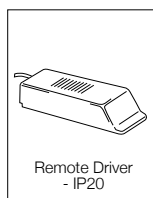
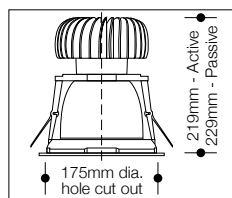
- 2000 Lumen output, two options; 3000k and 4000k
- Long LED Life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; Dali or Touch Dim
- Cool beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented phosphor lens provides consistent colour temperature
- Passive or active cooling system available (Active-100k hrs life)
- Compatible with wide range of AxLock Accessories

- Vacuum metalised or satin finish reflector options
- High LOR
- Supplied with 3 pin flex and plug
- White ceiling plate fitted as standard

Applications

Difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.

Technical



Passive cooling fins



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout, 2000lm matt reflector passive cooling			
9570/03/P/3	36W 3000k LED	192 x 229	1.45
9570/03/P/4	32W 4000k LED	192 x 229	1.45
Accessories			
Fitted to downlight after installation.			
A50 IP20 Ceiling Plate - Round /01 White /55 Silver	A58 IP20 Ceiling Plate - Square /01 White /55 Silver	A12-FG IP54 Flush Glass /01 White trim /55 Silver trim	A12-DG IP20 Dropped Glass /01 White trim /55 Silver trim
A16 IP20 Halo Glass /01 White trim /55 Silver trim	A27-FT IP54 Convex Frosted Lens /01 White trim /55 Silver trim	A27-FR IP54 Convex Fresnel Lens /01 White trim /55 Silver trim	A27-GL IP54 Flat Glass Lens /01 White trim /55 Silver trim
A52-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim	A52-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim	A53-CL IP65 Flush Clear Lens /01 White trim /55 Silver trim	A53-SB IP65 Flush Sandblasted Lens /01 White trim /55 Silver trim
A54 IP54 Recessed Sandblasted Lens /01 White trim /55 Silver trim	A55 IP54 Recessed Sandblasted Lens /01 White trim /55 Silver trim	A59-FG IP54 Flush Glass /01 White trim /55 Silver trim	A59-DG IP20 Dropped Glass /01 White trim /55 Silver trim



DOT9575 LED Dust Proof

Energy efficient LED dust proof
recessed downlight - 2000lm system.



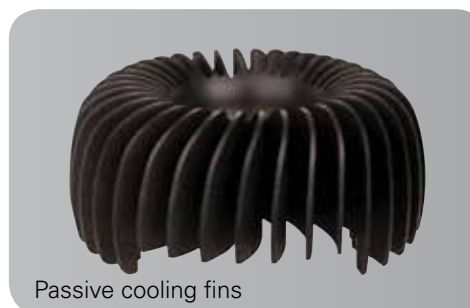
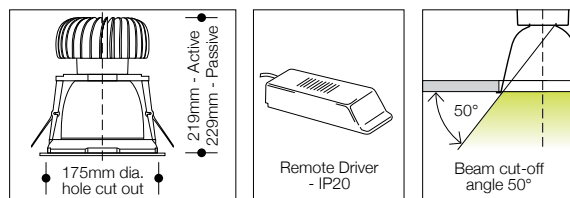
Features

- Ideal for Insect Proof Applications (IP6X Dust Proof Optical Assembly)
- 2000 Lumen output, two options; 3000k and 4000k
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; DALI or Touch Dim
- Cool beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented Phosphor Lens provides consistent colour temperature
- Passive or Active cooling system available (Active-100k hrs life)
- Secured Access Accessory option
- Supplied with 3 pin flex and plug
- White ceiling plate and satin reflector fitted as standard

Applications

Under eaves or soffits, foyers, difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.

Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
175mm Cutout, 2000lm IP6X Passive cooling, satin reflector			
9575/03/P/3	36W 3000k LED	192 x 229	1.62
9575/03/P/4	32W 4000k LED	192 x 229	1.62
Accessories			
Fitted to downlight after installation.			
 A50 IP20 Ceiling Plate - Round /01 White /55 Silver		 A58 IP20 Ceiling Plate - Square /01 White /55 Silver	



160 Downlights



Max Dim(mm)
ø192 x 229



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professional lighting solutions

DOT9650 LED Food Service

Energy efficient LED (food) recessed downlight -
1800 Lumen 3000k, 2000 Lumen 4000k system.

Features

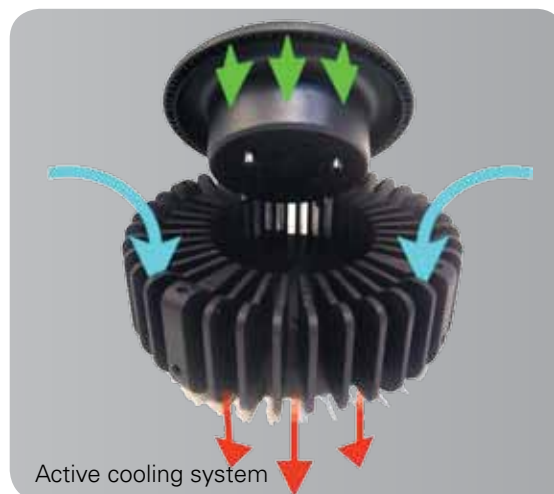
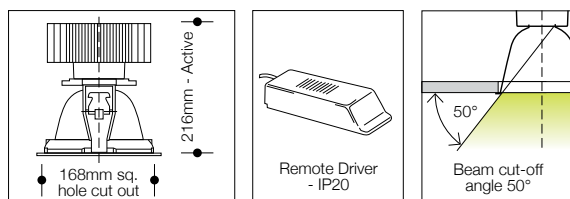
- Food (meat, bread, vegetables and fish) can be illuminated more naturally – 3000k for meat, vegetables and bread and 4000k for fish.
- Long LED life 50,000 hours, low maintenance in hard to access areas
- Cool beam with no downward heat generation
- Instant 100% light output
- Patented phosphor lens provides consistent colour temperature
- Active cooling system (active-100k hrs life)
- Compatible with wide range of AxLock accessory
- Highly specular or satin finish reflector options
- High LOR
- White ceiling plate fitted as standard DOT A48

Applications

Shops, supermarkets and retail.



Technical



Product Codes

Code	Version
------	---------

168mm Cutout 1100lm active cooling	
9650FOOD/03/A/3 50W 3000k LED 190 x 190 x 221 1.86	

Accessories

Fitted to downlight after installation.



DOT9670 LED

LED Recessed square downlight - 2000 lumen system.

Features

- 2000 Lumen output, two options; 3000k and 4000k
- Long LED life 50,000 hours, low maintenance in difficult to access areas
- Suitable for dimming; dali or touch dim
- Cool beam with no downward heat generation
- No ultraviolet or infrared light and mercury free
- Instant 100% light output
- Patented phosphor lens provides consistent colour temperature
- Passive or active cooling system available (active-100k hrs life)

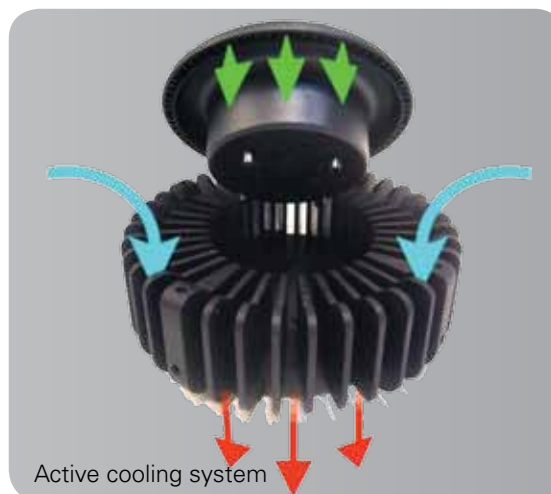
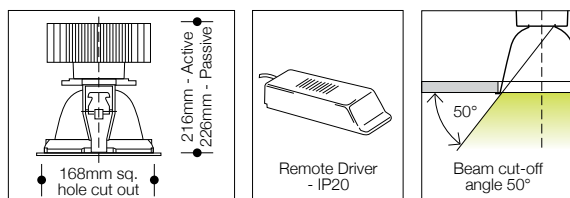
- Compatible with wide range of AxLock accessory
- Highly specular or satin finish reflector options
- High LOR
- Supplied with 3 pin flex and plug
- White ceiling plate fitted as standard DOT A48

Applications

Difficult to access areas, government buildings, hotels, hospitals, 24 hour emergency facilities, cinemas, theatres, exhibition halls, atrium, corridors, receptions, facades, supermarkets, 24 hour restaurants.



Technical



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
168mm Cutout, 2000lm passive cooling			
9670/03/P/3	36W, 3000k LED	190 x 190 x 221	1.68
9670/03/P/4	32W 4000k LED	190 x 190 x 221	1.68

Accessories

Fitted to downlight after installation.

A40 Ceiling Plate - SoftSquare® /01 White /55 Silver	A48 Ceiling Plate - Square /01 White /55 Silver		
A42-CL Clear Lens /01 White trim /55 Silver trim	A42-SB Sandblasted Lens /01 White trim /55 Silver trim	A44-FL Flush Lens /01 White trim /55 Silver trim	A44-DL Dropped Lens /01 White trim /55 Silver trim
A45-FG Flush Glass /01 White trim /55 Silver trim	A45-DG Dropped Glass /01 White trim /55 Silver trim	A49-FG Flush Glass /01 White trim /55 Silver trim	A49-DG Dropped Glass /01 White trim /55 Silver trim



162 Downlights



Max Dim(mm)
190 x 190 x 221



PIERLITE
professional lighting solutions

DL200

German engineered CFL downlight offering high quality and excellent performance.



Features

- Die cast aluminium mounting ring
- White thermoplastic ceiling trim
- Two depths - shallow 80mm deep and standard 145mm deep
- Remote control gear
- Lamp wattages - 13W, 18W & 26W
- Choice of ballast type

- Easy to install
- 1.5m flex & plug
- IP20

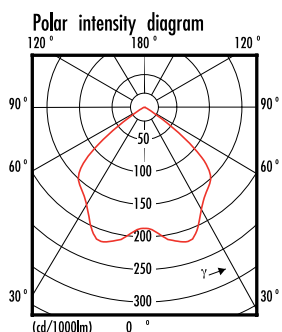
Applications

Office, foyers, meeting and conference rooms.



Technical

0.79872 - 2 x TC-D 18W



Utilisation factor table

Reflectances			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	32	36	38	40	42	43	44	45	46	
0.70	0.30	0.20	30	33	36	38	40	42	43	44	45	
0.70	0.10	0.20	28	32	34	36	39	41	42	43	44	
0.50	0.50	0.20	32	35	37	39	41	42	43	44	44	
0.50	0.30	0.20	30	33	35	37	39	41	42	43	44	
0.50	0.10	0.20	28	32	34	36	38	40	41	42	43	
0.30	0.50	0.20	31	34	36	38	40	41	41	42	43	
0.30	0.30	0.20	29	33	35	36	38	40	40	42	42	
0.30	0.10	0.20	28	31	34	35	38	39	40	41	42	
0.00	0.00	0.00	27	30	33	34	36	37	38	39	40	

Ceiling mounted

Light output ratio 0.42
Service upward 0.00
Service downward 0.42

CIE flux code 68 100 100 100 42

SHR NOM (square) 1.50
SHR MAX (square) 1.55

UGRcen (4Hx8H, 0.25H) 20
EN12464-1 65 deg, 200 cd/m²
CIBSE: LG3 65 deg, 200 cd/m²

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
Shallow, 214mm Cutout, Electronic less lamp			
0.19950.42WE	2 x TC-DE 13W	228 x 80	2.7
0.19950.43WE	2 x TC-DE 18W	228 x 80	2.7
0.19950.44WE	2 x TC-DE 26W	228 x 80	2.7
Standard, 214mm Cutout, Electronic less lamp			
0.39550.42WE	2 x TC-DE 13W	228 x 145	2.7
0.39550.43WE	2 x TC-DE 18W	228 x 145	2.7
0.39550.44WE	2 x TC-DE 26W	228 x 145	2.7

DL200 Surface Mount

High quality surface mount downlight for lamps up to 26WTC-DE and HID options. Available in either IP20 or IP65 for exterior use.



Features

- Surface mount downlights
- Die-cast aluminium white body
- Thermoplastic front ring
- Specular silver aluminium reflector
- Use safety glass with HIT models 0.35650.00-000.
- Integral ballast
- IP65 models also available
- IP20 as standard

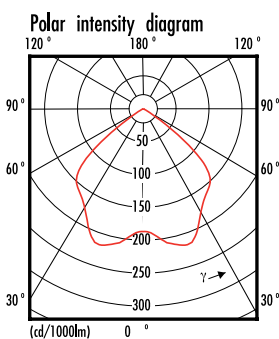
Applications

Foyers, entrance ways and exteriors.



Technical

0.79872 - 2 x TC-D 18W



Reflectances			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	32	36	38	40	42	43	44	45	46
0.70	0.30	0.20	30	33	36	38	40	42	43	44	45
0.70	0.10	0.20	28	32	34	36	39	41	42	43	44
0.50	0.50	0.20	32	35	37	39	41	42	43	44	44
0.50	0.30	0.20	30	33	35	37	39	41	42	43	44
0.50	0.10	0.20	28	32	34	36	38	40	41	42	43
0.30	0.50	0.20	31	34	36	38	40	41	41	42	43
0.30	0.30	0.20	29	33	35	36	38	40	40	42	42
0.30	0.10	0.20	28	31	34	35	38	39	40	41	42
0.00	0.00	0.00	27	30	33	34	36	37	38	39	40

Ceiling mounted

Light output ratio 0.42
Service upward 0.00
Service downward 0.42

CIE flux code 68 100 100 100 42

SHR NOM (square) 1.50
SHR MAX (square) 1.55

UGRcen (4Hx8H, 0.25H) 20
EN12464-1 65 deg, 200 cd/m²
CBSE: LG3 65 deg, 200 cd/m²

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
Electronic Less Lamp			
0.18550.42-910	2 x 13W TC-D/E	228 x 310	4.8
0.18550.43-910	2 x 18W TC-D/E	228 x 310	4.8
0.18550.44-910	2 x 26W TC-D/E	228 x 310	4.8



166 Downlights

IP20/65



Max. Mass

Max Dim(mm)
ø228 x 310



PIERLITE
professional lighting solutions

DL200 IP65

High quality, superb performance downlight suitable for exterior use.
IP65 system providing protection above and below the ceiling line.



Features

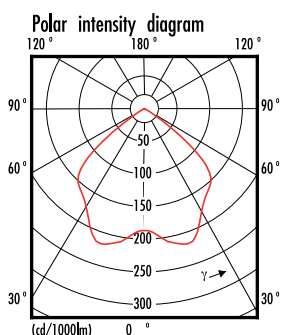
- Die cast aluminium mounting ring
- Die cast aluminium ceiling trim
- Safety glass
- Remote control gear IP20
- Lamp wattages - 13W & 18W
- Easy to install
- 1.5m flex & plug
- IP65 above and below ceiling

Applications

Exteriors, under eaves.

Technical

0.79872 - 2 x TC-D 18W



Reflectances			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	32	36	38	40	42	43	44	45	46	
0.70	0.30	0.20	30	33	36	38	40	42	43	44	45	
0.70	0.10	0.20	28	32	34	36	39	41	42	43	44	
0.50	0.50	0.20	32	35	37	39	41	42	43	44	44	
0.50	0.30	0.20	30	33	35	37	39	41	42	43	44	
0.50	0.10	0.20	28	32	34	36	38	40	41	42	43	
0.30	0.50	0.20	31	34	36	38	40	41	41	42	43	
0.30	0.30	0.20	29	33	35	36	38	40	40	42	42	
0.30	0.10	0.20	28	31	34	35	38	39	40	41	42	
0.00	0.00	0.00	27	30	33	34	36	37	38	39	40	

Ceiling mounted

Light output ratio	0.42
Service upward	0.00
Service downward	0.42

CIE flux code	68 100 100 100 42
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SHR NOM (square)	1.50
SHR MAX (square)	1.55

UGRcen (4Hx8H, 0.25H)	20
EN12464-1	65 deg, 200 cd/m ²
CIBSE: LG3	65 deg, 200 cd/m ²



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
214mm Cutout, Less Lamp			
0.79872.43WE	2 x 18W TC-D/E EL	265 x 145	4.7



164 Downlights



Max. Mass

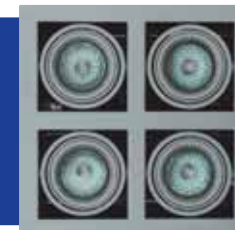
Max Dim(mm)
ø265 x 145





TKA213

Stylish and durable, using low voltage lamps with adjustable lighting directions. Uniquely designed for easy installation.



Features

- Architecturally styled square downlight series
- Silver trim
- Suitable for ELV MR16 lamps
- Manufactured from zinc steel
- Bi-angular adjustment
- Complete with lamp holder
- Twist lock lamp replacement

- Available in single, twin triple and quad arrangement

Applications

Office, foyers, shopping centres, conference rooms.



Technical

TKA2131



Cutout: 92 x 92

TKA2132



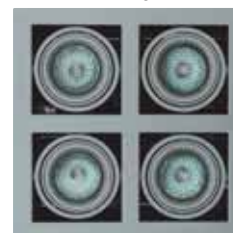
Cutout: 185 x 92

TKA2133



Cutout: 278 x 92

TKA213A4



Cutout: 185 x 185

Product Codes		Dim	Cutout
Code	Version	(mm)	(mm)
TKA213 Series,			
TKA2131	1 x 50W MR16	110 x 110 x 90	92 x 92
TKA2132	2 x 50W MR16	201 x 110 x 90	185 x 92
TKA2133	3 x 50W MR16	292 x 110 x 90	278 x 92
TKA213A4	4 x 50W MR16	201 x 201 x 90	185 x 185
Note - Supplied less gear and lamp			



TKA465

Stylish and durable, using low voltage lamps with adjustable lighting directions. Uniquely designed for easy installation.



Features

- Stylish square downlight
- Available in single, twin, triple and quad arrangements.
- Silver trim
- Suitable for ELV AR-111 lamps
- Manufactured from zinc steel
- Bi-angular adjustment
- Complete with lamp holder

- Twist lock lamp replacement

Applications

Office, foyers, shopping centres, conference rooms.



Technical

TKA4651	TKA4652	TKA4653	TKA4654	TKA465A4
				
Cutout: 165 x 165	Cutout: 325 x 165	Cutout: 485 x 165	Cutout: 645 x 165	Cutout: 325 x 325

Product Codes		Dim	Cutout
Code	Version	(mm)	(mm)
TKA465 Series, Recessed Spot			
TKA4651	1 x 50W AR111	182 x 182 x 90	165 x 165
TKA4652	2 x 50W AR111	345 x 182 x 90	325 x 165
TKA4653	3 x 50W AR111	505 x 182 x 90	485 x 165
TKA4654	4 x 50W AR111	665 x 182 x 90	645 x 165
TKA465A4	4 x 50W AR111	345 x 345 x 90	325 x 325



168 Downlights

IP20



Max. Mass

Max Dim(mm)

665 x 182



to 25

PIERLITE
professional lighting solutions

TKA DL72

Stylish and durable, the TKA DL 72 Series is an extension to the TKA range.



Features

- Manufactured from zinc steel
- Bi Angular aiming adjustment
- Three beam angles narrow 14°, medium 36° and wide 58°
- Complete with ceramic lamp holder
- Available in silver and white finish
- Easy lamp replacement through clip out lens
- Available in various configurations

- Available with CDM-R111 lamp 35W and 70W
- Supplied with round earth flex and plug

Applications

Retail, office, boardrooms, foyers, lobbies, shopping centres.

Stylish frame



Technical

DL721G12WW



Cutout: 155 x 155

DL722G12WW



Cutout: 295 x 155

DL723G12WW



Cutout: 435 x 155

DL724G12WW



Cutout: 575 x 155

DL724SQG12WW



Cutout: 302 x 302

Product Codes		Dim	Cutout
Code	Version	(mm)	(mm)
Wide white lamp			
DL721G12WW	Single	175 x 175 x 206	155 x 155
DL722G12WW	Twin	315 x 175 x 206	155 x 295
DL723G12WW	Triple	455 x 175 x 206	155 x 435
DL724G12WW	Quad	595 x 175 x 206	155 x 575
DL724SQG12WW	Quad square	322 x 322 x 206	302 x 302
Note: Change first W to M for Medium beam or N for Narrow beam, eg DL721G12MW for medium beam. Change last W to S for silver fitting, eg DL721G12WS for silver wide beam			



Elite Shoplighter Rectangular

Recessed floodlight supplied with control gear that simply plugs in, making installation simple and quick.



Features

- Die cast aluminium white powder coated body pre-wired with a 3pin round earth 1.5m flex and plug
- 70W or 150W 4000°K double ended R7s metal halide lamp
- 45° optic aiming adjustment in one plane allowing the floodlight to be used specifically for wall washing of displays
- Lamps held in place by superior quality ceramic lampholders
- Remote control gear includes timed ignitor for added safety
- Remote control gear pack pre-wired with a 3pin round earth socket and a standard 3pin flat earth 1.5m flex and plug

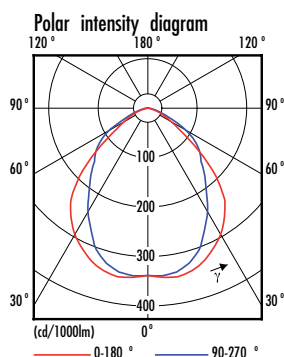
Applications

Retail shops, commercial, shop windows and shelving displays.



Technical

ELTK1 50W - 1 x HQI-TS 150W



Utilisation factor table

Reflectances			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	47	54	59	63	67	70	72	75	77	
0.70	0.30	0.20	42	50	55	58	64	67	69	73	75	
0.70	0.10	0.20	39	46	51	55	61	64	67	71	73	
0.50	0.50	0.20	46	53	58	61	65	68	70	72	74	
0.50	0.30	0.20	42	49	54	57	62	65	67	70	72	
0.50	0.10	0.20	38	46	51	54	59	63	65	69	71	
0.30	0.50	0.20	45	52	56	59	63	66	67	70	71	
0.30	0.30	0.20	41	48	53	56	60	63	65	68	70	
0.30	0.10	0.20	38	45	50	54	58	61	64	67	69	
0.00	0.00	0.00	37	44	48	52	56	59	61	64	65	

Ceiling mounted

Light output ratio 0.72
Service upward 0.00
Service downward 0.72

CIE flux code 60 89 99 100 72

SHR NOM (square) 1.25
SHR MAX (square) 1.32

UGRcen (4Hx8H, 0.25H) 30

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
215 x 130mm Cutout, c/w Lamp and Gear			
ELTK70W	70W HIT-DE White	230 x 140 x 140	4.1
ELTK150W	150W HIT-DE White	230 x 140 x 140	4.1



170 Downlights

IP20



Max. Mass

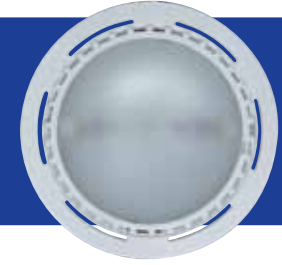
Max Dim(mm)
230 x 140 x 140



PIERLITE
professional lighting solutions

Elite Shoplighter Round

An attractive circular luminaire for commercial fit outs.



Features

- Die cast aluminium white powder coated
- Body pre-wired with a 3pin round earth 1.4m flex and plug
- Fixed body specifically for general area lighting of displays.
- Supplied fitted with a world quality brand 70W or 150W 4000°K double ended Rx7s metal halide lamp
- Lamps held in place by superior quality ceramic lampholders
- Remote control gear includes timed ignitor for added safety
- Remote control gear pack pre-wired with a 3pin round earth socket and a standard 3-pin flat earth 1.1m flex and plug

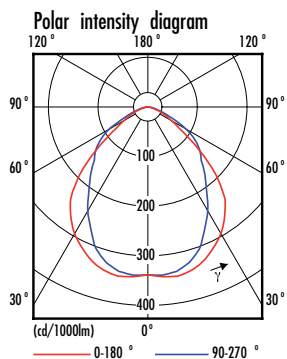
Applications

Retail shops, commercial, displays, shop windows, shelving displays, reception areas, shopping concourses and entrances.



Technical

ELTK1 50W - 1 x HQI-TS 150W



Utilisation factor table

Reflectances			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	47	54	59	63	67	70	72	75	77
0.70	0.30	0.20	42	50	55	58	64	67	69	73	75
0.70	0.10	0.20	39	46	51	55	61	64	67	71	73
0.50	0.50	0.20	46	53	58	61	65	68	70	72	74
0.50	0.30	0.20	42	49	54	57	62	65	67	70	72
0.50	0.10	0.20	38	46	51	54	59	63	65	69	71
0.30	0.50	0.20	45	52	56	59	63	66	67	70	71
0.30	0.30	0.20	41	48	53	56	60	63	65	68	70
0.30	0.10	0.20	38	45	50	54	58	61	64	67	69
0.00	0.00	0.00	37	44	48	52	56	59	61	64	65

Ceiling mounted

Light output ratio	0.72
Service upward	0.00
Service downward	0.72
CIE flux code	60 89 99 100 72
SHR NOM (square)	1.25
SHR MAX (square)	1.32
UGRcen (4Hx8H, 0.25H)	30

Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
147mm Cutout, c/w Lamp and Gear			
ELTRK70W	70W HIT-DE White	160 x 120	4.0
210mm Cutout, c/w Lamp and Gear			
ELTRK150W	150W HIT-DE White	230 x 120	4.0



CDL120

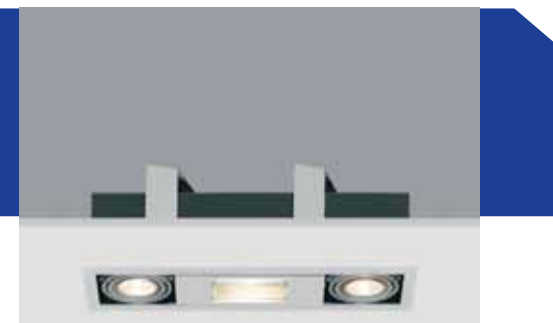
CDM recessed ceiling luminaire designed for retail applications.

Features

- Provides general illumination and highlighting
- Two 35 watt CDM PAR20 adjustable for highlighting
- One 70 watt CDM Double ended for general illumination. Can be adjusted to 30°
- Housing of sheet steel, powder coated silver
- Clear safety glass over 70 DE lamp
- Remote electronic ballasts

Applications

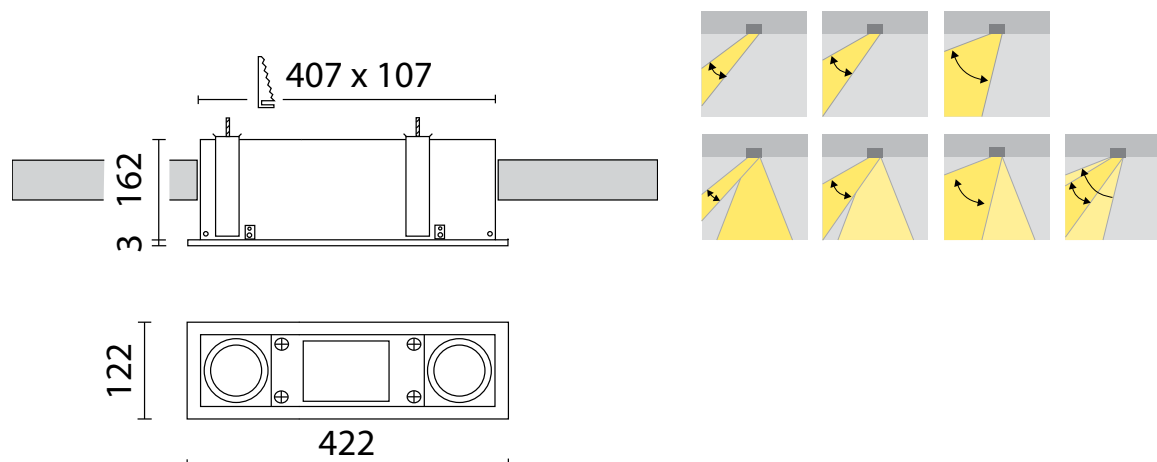
Retail shops, commercial, displays, shop windows, shelving displays, reception areas, shopping concourses and entrances.



HOFFMEISTER



Technical



Product Codes

Code	Version
Less lamp and gear	
0.31001.00-906	2 x 35W CDM PAR20 407 x 107 1 x 70W CDM-DE
Note: Control gear ordered separately	



172 Downlights



Max Dim(mm)
422 x 122 x 165



PIERLITE
professional lighting solutions

CDL180

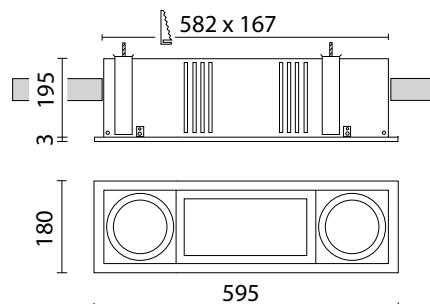
CDM-TC recessed ceiling luminaire designed for retail applications.

Features

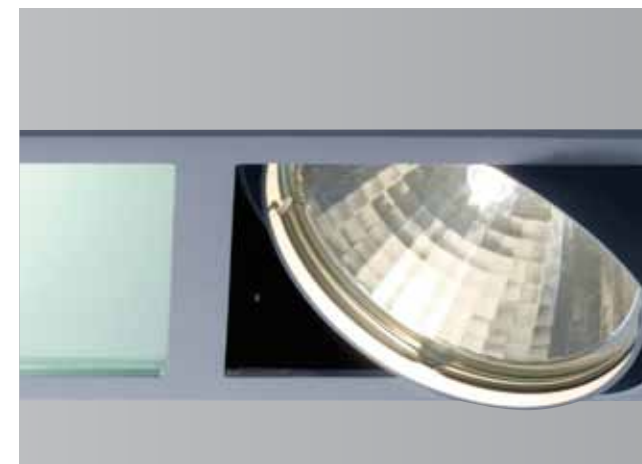
- Provides general illumination and highlighting
- Two 20/35 or 70 watt CDM TC adjustable for highlighting
- One 57 watt CDM CFL for general illumination. Can be adjusted to 30 deg
- Housing of sheet steel, powder coated silver
- Clear safety glass for HID, frosted for CFL
- Remote electronic ballasts
- Three beam spreads available for CDM-TC lamps, Narrow, Medium and Wide.

Applications

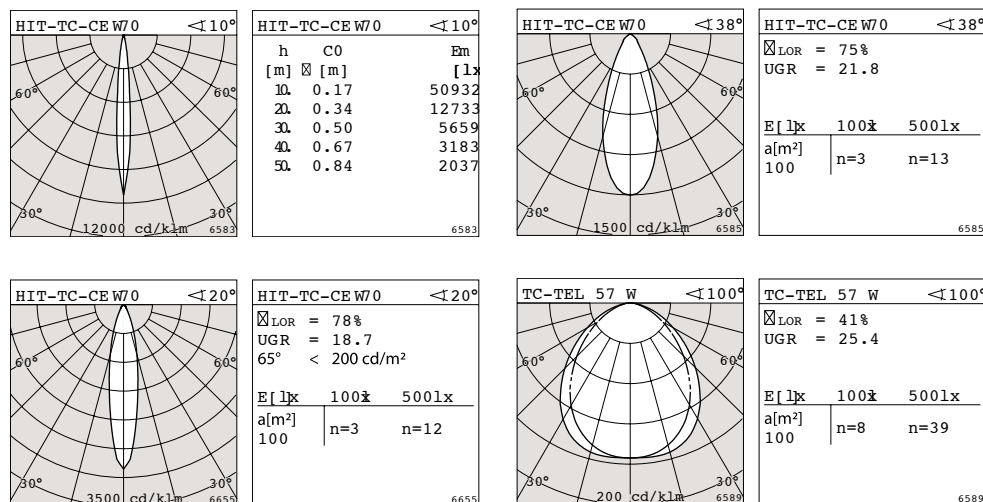
Retail shops, commercial, displays, shop windows, shelving displays, reception areas, shopping concourses and entrances.



HOFFMEISTER



Technical



Product Codes			Cutout
Code	Version		(mm)
0.31031.00-906	2 x 20/35/70W CDM-TC	Narrow	582 x 167
	1 x 57W CDM CFL		
0.31032.00-906	2 x 20/35/70W CDM-TC	Medium	582 x 167
	1 x 57W CDM CFL		
0.31033.00-906	2 x 20/35/70W CDM-TC	Wide	582 x 167
	1 x 57W CDM CFL		

Note: Control gear ordered separately



Lite Master

Lite Master is the flagship of the Pierlite LED downlight range, capable of delivering intensities similar to that of conventional 50W halogen.



Features

- Compact array of 7 high performance LED's
- 16 Watt unit
- Fixed and adjustable to 30 degrees
- 700ma constant current 24V nominal
- Special cluster lens and optics provide highly efficient beam distribution in narrow 22°, medium 36° and wide 60° degree
- Available in warm (3200k), neutral (4300k) or cool white (6000k)
- Available in powder coated white or anodised silver
- Body and trim is machined aluminium
- Heatsink is extruded aluminium
- Choice of drivers including dimmable (0 - 10V)
- Operating temperature -10°C to 40°C
- Thermally tested for life of 50,000hrs at 70% lumen depreciation

Applications

Commercial sites where long life is needed shopping centres, foyers, offices, hotels, areas where access is a problem.

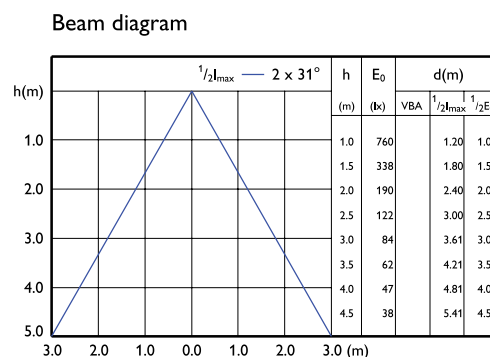
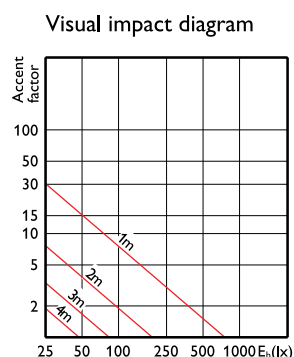
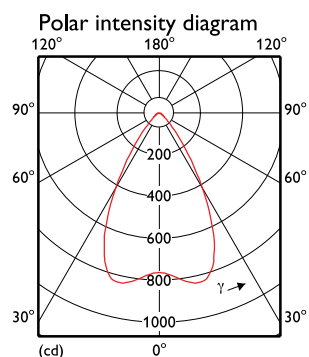
Compact array of 7 high performance LED's



Technical

LM16W3W 1 x LED 16W 60 deg

1 x 1085 lm



Product Codes			Dim	Cutout
Code	Version		(mm)	(mm)
Fixed and adjustable, 3200k White				
LM16N3W	16W Narrow	22°	82 x 106	70
LM16M3W	16W Medium	36°	82 x 106	70
LM16W3W	16W Wide	60°	82 x 106	70
Accessories				
LPCDR700	200/240VAC to 700MA non dimmable			
LPCOT18700	200/240VAC to 700MA dimmable			



174 Downlights



Max Dim(mm)
82 x 106



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professional lighting solutions

Lite Gang

High output recessed adjustable LED downlight / wall washer. Replaces HID or CFL in commercial applications with long life of 50 000hrs.



Features

- 40W including losses
- Efficiencies in excess of 60lm/W
- 12° - 60° beam range
- Tilts to 28°
- Available in warm (3200k), neutral (4300k) or cool (6000k) white
- Powder coat grey finish or white
- All use top quality LEDs
- Available in single, twin or triple arrangements

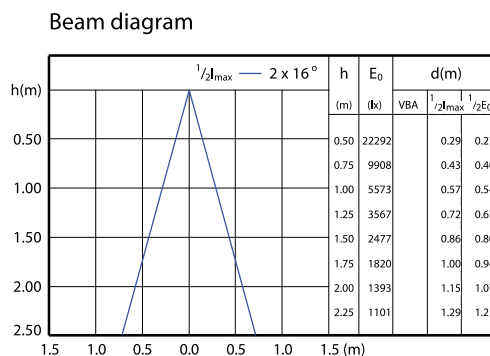
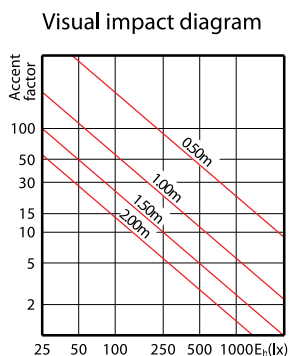
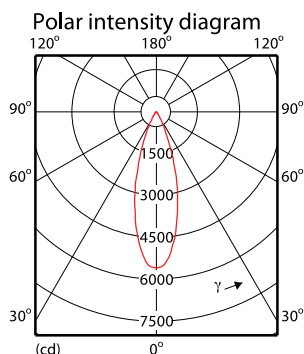
- Thermally tested for life of 50,000 hours, 70% lumen output
- Operating temperature -10°C to 40°C

Applications

Commercial sites where long life is needed, shopping centres, foyers, schools, offices, hotels, areas where access is difficult.

Technical

LG1640WWWW 1 x 40W/WW/40D



Product Codes		Dim	Cutout
Code	Version	(mm)	(mm)
Warm white, wide beam			
LG1640WWWWIW	40W 30°	186 x 186	166 x 166
Options			
Twin			
Triple			



DOWNLIGHTING DESIGN GUIDE

INTRODUCTION

Downlights are extremely widely used, and are preferred by many designers for general lighting (even in offices) as they allow the illumination of rooms and surfaces without the use of large linear fluorescent fixtures.

Downlights also allow exciting visual effects to be created, where the light distribution pattern and/or objects illuminated are prominent and yet the light sources themselves remain virtually invisible.

The correct choice of downlight to suit the application is important - large and powerful units may be too conspicuous and/or cause glare, numerous smaller units may be prohibitively expensive to install and maintain.



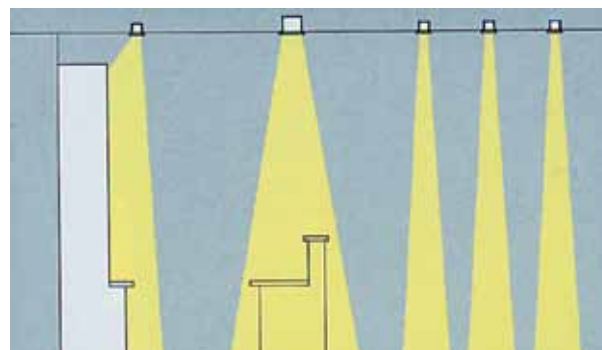
LIGHT SOURCES

The first step in the design process is usually to choose the type of lamp to be used, yet initial cost is only a minor consideration - far more important are the ongoing costs for electricity (resulting from the efficiency of the lamp and downlight) and maintenance

(lamp life and replacement costs) as even within the first year of operation these will usually surpass the initial luminaire costs.

These financial aspects must be balanced against the suitability for the lamp for the task - for example High Pressure Sodium lamps have excellent life (20-25,000 hrs) and are moderately priced, yet their "yellow" colour and poor colour rendering properties makes them unsuitable for many applications.

The size of the downlight and its control of light distribution and glare are directly related to the size of the lamp used. Small lamps like Low Voltage Tungsten Halogen and Metal Halide allow for a smaller sized downlight, however larger coated discharge lamps and Compact Fluorescents definitely have advantages (see section on Glare).



Exciting effects can be created by deliberately increasing the contrast with narrow beam angles and wide spacing

DESIGNING WITH DOWNLIGHTS

In this catalogue we provide cone diagrams typical for each model range. Unfortunately space limitations prevent the listing of full details for all configurations, so contact Pierlite for full photometric data.

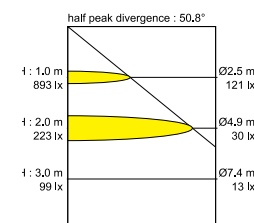
Light Distribution

Downlights are available in a wide range of beam angles. Narrow beam units are better suited to special effects & wider beams preferred for general illumination.

Narrow-beam units are not always required for high ceilings - for general lighting a better result (with similar illumination levels) can be created using wide-beam models.

Placement and Spacing

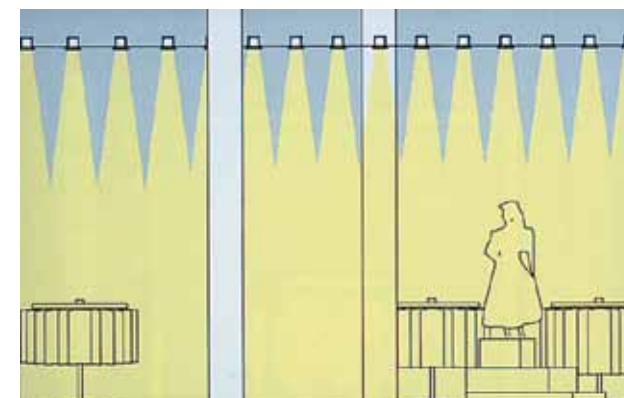
The most accurate model of determining the optimum layout is through the use of computer-based lighting calculations, however a preliminary decision may be made using the cone diagrams in this catalogue.



For example - general lighting in a room with a 2.7m ceiling (using adjacent cone diagram):

These down-lights should be installed a maximum of 2.5m apart to ensure that there is sufficient light at eye-level (say 1.7m AFL, or about 1m below the ceiling).

At a desk height of 0.7m (2m below the ceiling) each downlight provides about 220 Lux, plus a contribution of about 30 Lux from each adjacent luminaire.



For general lighting downlights should be installed so that the beam overlap is above normal eye level



DOWNLIGHTING DESIGN GUIDE



DESIGN CONSIDERATIONS

Glare

Glare occurs when one part of the interior is much brighter than the general brightness in the area. The main disadvantage of small yet powerful downlights is glare, since the apparent brightness (luminance) of a luminaire is defined as the light intensity in a certain direction per unit of area (usually cd/m^2).

Glare is sometimes deliberately used to create an exciting effect, especially in shops and other areas where people visit for short periods. However, glare is unacceptable within an office environment or similar work area.

Whilst a few widely spaced high-output luminaires often satisfy the light levels for general lighting of work surfaces, the use of closely spaced larger or less powerful units will provide a far more comfortable & user-friendly visual environment.



Gloom

Gloom may be a problem where downlights are used for general lighting. Our perception of the "brightness" of a space is primarily based upon the vertical illumination levels - areas lit only with downlights may appear dark and gloomy even though the horizontal light levels (calculated in accordance to standards) is more than sufficient.

Usually the most successful and economical solution to a dark and gloomy interior is not to increase the horizontal light levels to attempt to compensate, but to ensure that the perimeter walls are brightly and evenly illuminated with wall-washers.

